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Motor Vehicle Traffic Crash Fatality and Injury Estimates for 2003

***Based on
The Fatality Analysis Reporting System (FARS)
and
The National Automotive Sampling System
General Estimates System (NASS GES)***

DOT HS 809 728

April 2004

The 2003 Early Assessment

National Center for Statistics & Analysis



This report compares preliminary estimates of fatalities and injuries resulting from motor vehicle traffic crashes occurring in 2003 with estimates from 2002. The 2003 preliminary estimates are based on a statistical procedure which uses partial year Fatality Analysis Reporting System (FARS) and NASS General Estimates System (GES) files, as indicated in the sources listed on page 81. These preliminary estimates will be superceded when Annual Report estimates, based on full year files, are released this summer.

The 2003 Early Assessment

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National Center for Statistics & Analysis



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Major Findings

Major Findings 2003 Early Assessment

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- The Estimated Number of Persons Killed in Motor Vehicle Traffic Crashes increased to the Highest Level since 1990.
- Injuries in Motor Vehicle Traffic Crashes Declined.
- The Fatality Rate (Fatalities per 100 Million Vehicle Miles Traveled (VMT)) was Unchanged.
- Injury Rates Declined Slightly

Major Findings 2003 Early Assessment

National Center for Statistics & Analysis



- **Occupant Fatalities**
 - Declined in Passenger Cars.
 - Increased in Light Trucks.
- **Non-Occupant Fatalities Declined.**
- **The Increase in Light Truck Occupant Fatalities was in SUVs.**
- **Most Passenger Vehicle Occupant Fatalities were Unrestrained.**

Major Findings

2003 Early Assessment

National Center for Statistics & Analysis



- **Alcohol-Related Fatalities Essentially Remain Unchanged.**
- **Motorcycle Rider Fatalities Increased for the Sixth Year in a Row.**
- **Passenger Vehicle Occupant Fatalities in Rollover Crashes**
 - Declined in Passenger Cars.
 - Increased in Light Trucks among SUVs and Vans.

Overall Statistics

➤ **Motor Vehicle Crash**
Fatalities increased slightly,

but ...

Injuries declined

Persons Killed and Injured and Number of Crashes

National Center for Statistics & Analysis



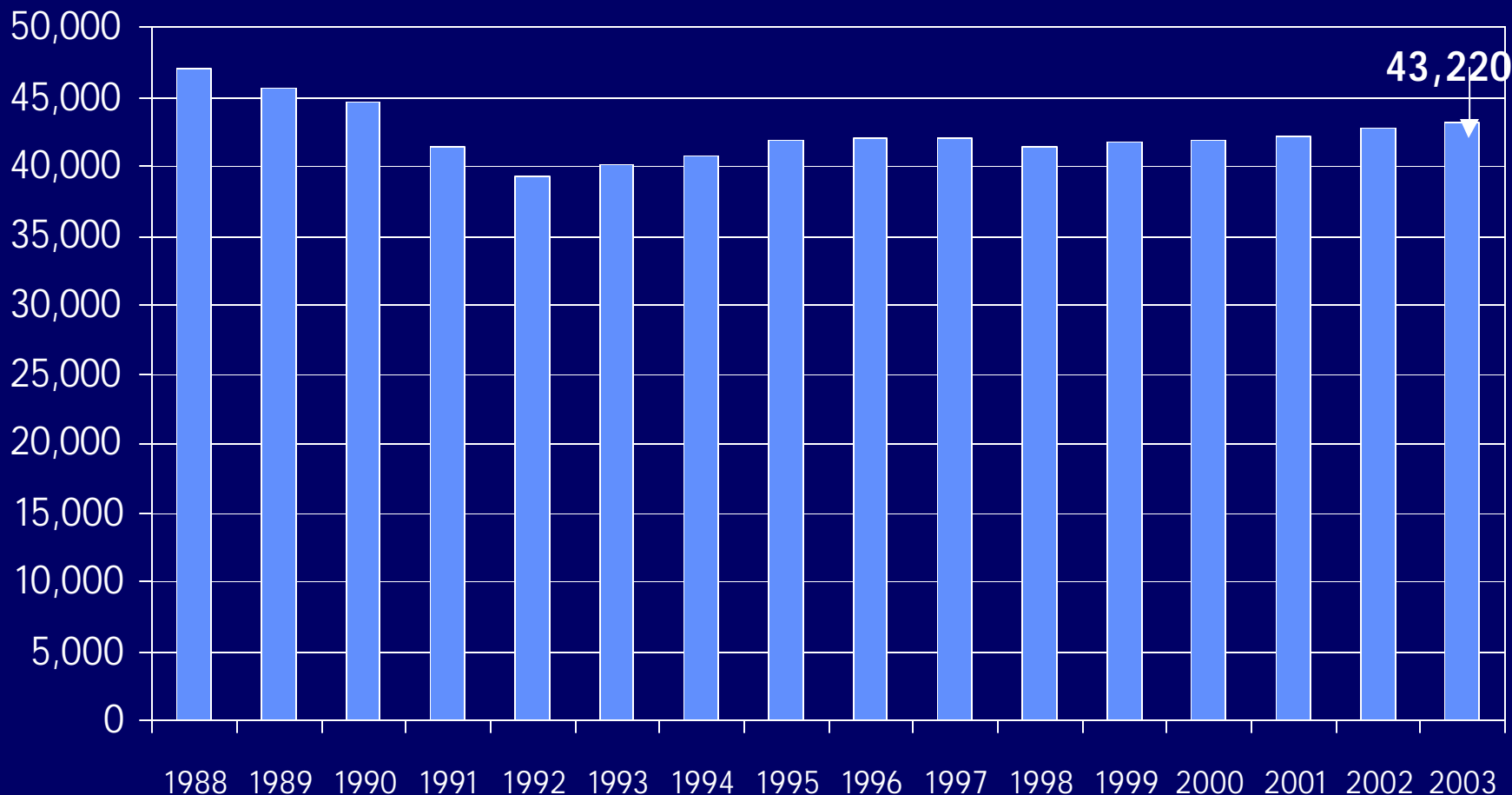
	Year		% Change
	2002	2003	
Persons Killed	42,815	43,220	+0.9%
Persons Injured	2,926,000	2,891,000	-1.2%
Fatal Crashes	38,309	38,764	+1.2%
Nonfatal Crashes	6,277,000	6,267,000	-0.2%
Injury Crashes	1,929,000	1,915,000	-0.7%
Property-Damage-Only	4,348,000	4,352,000	+0.1%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Sources: FARS, NASS GES

Number of Persons Killed in Motor Vehicle Crashes, by Year

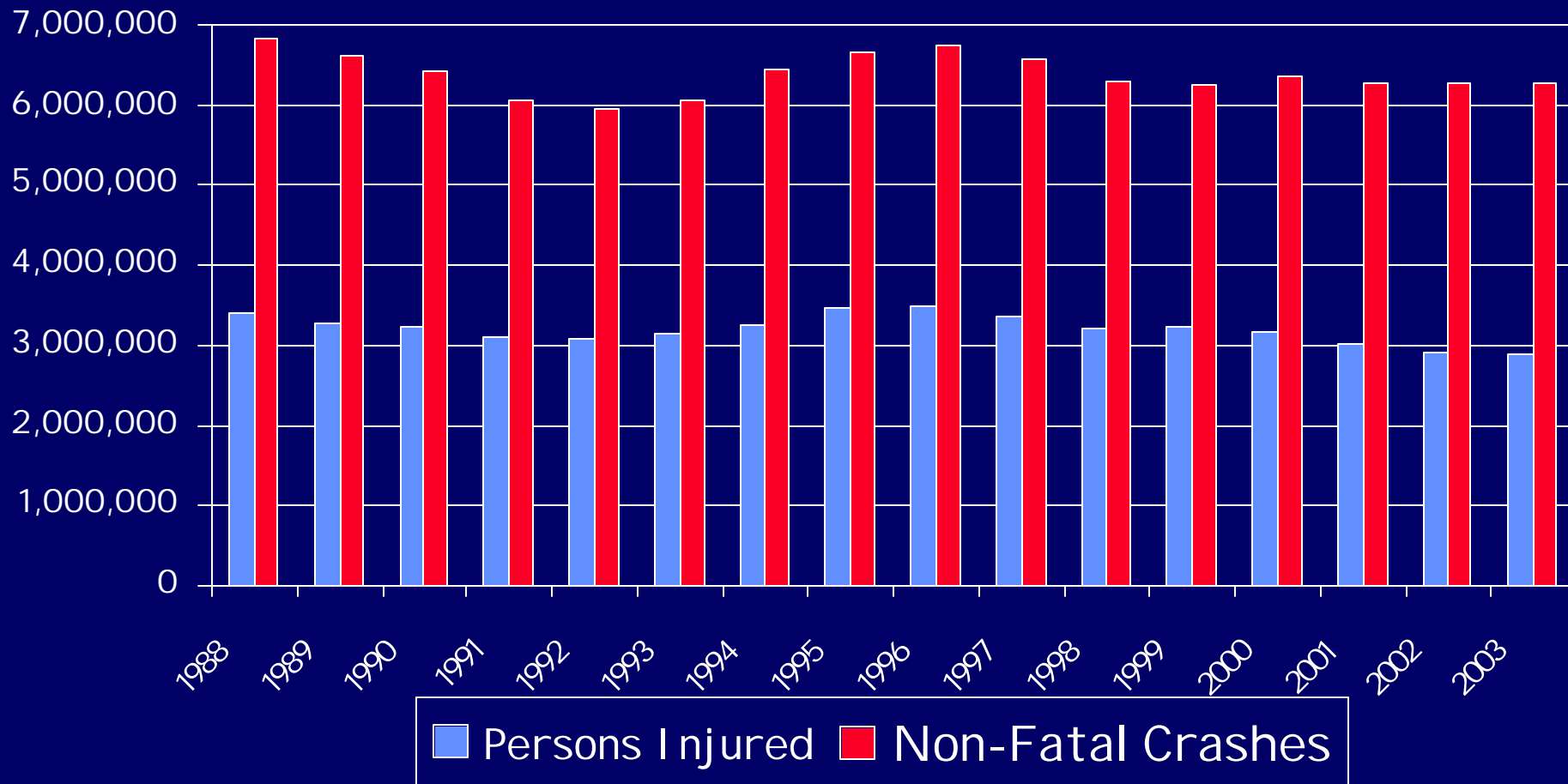
National Center for Statistics & Analysis



Source: FARS

Non-Fatal Crashes and Persons Injured, by Year

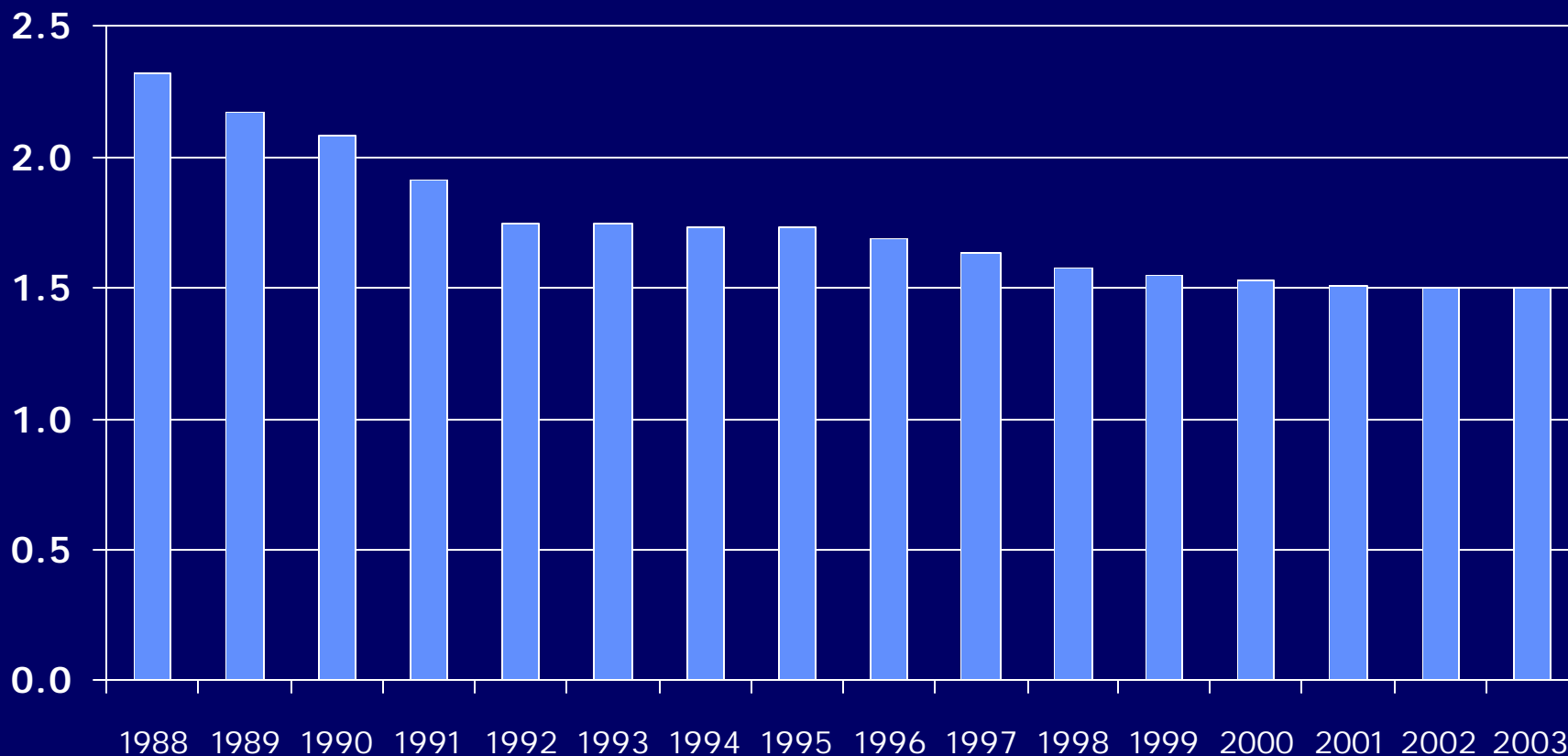
National Center for Statistics & Analysis



Sources: NASS GES

Persons Killed in Motor Vehicle Crashes per 100 Million VMT, by Year

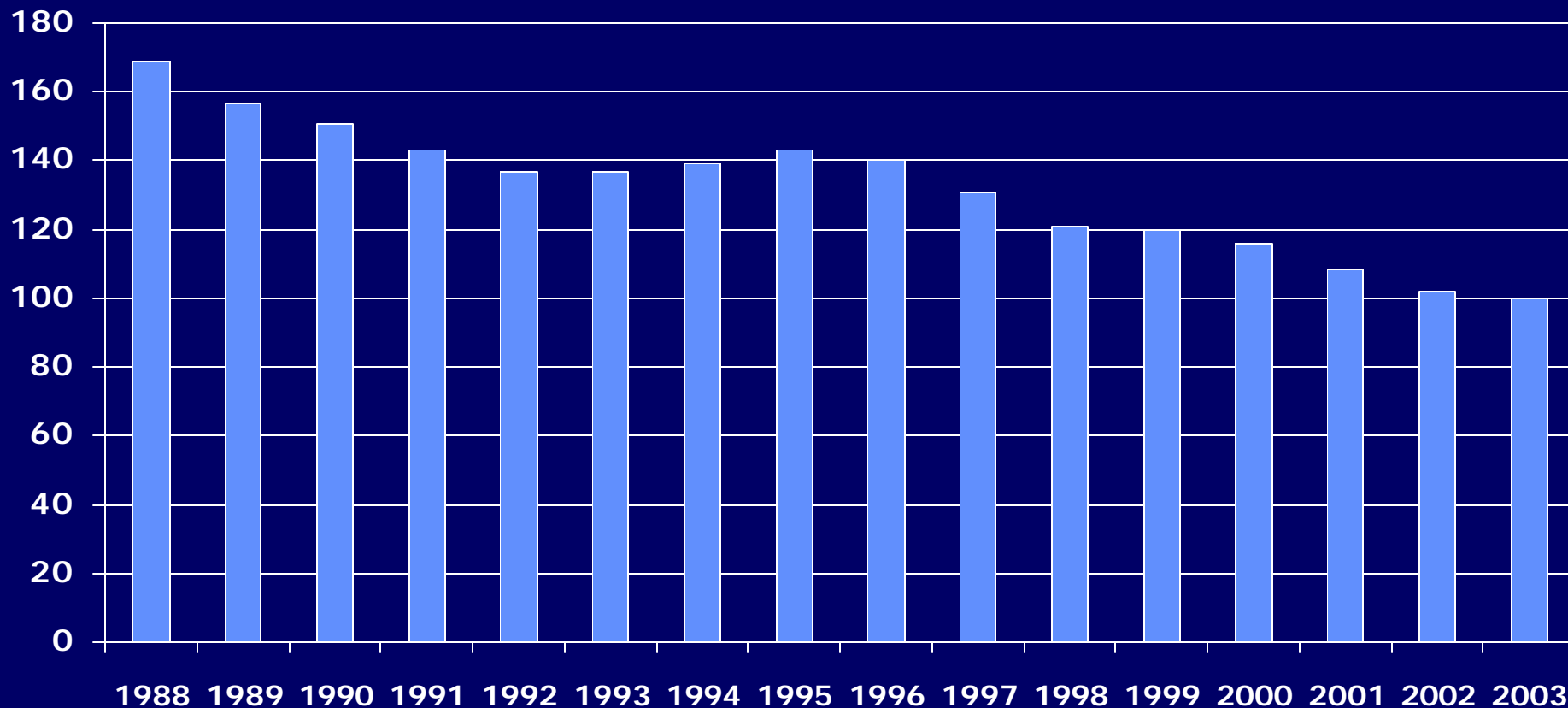
National Center for Statistics & Analysis



Source: FARS / FHWA VMT

Persons Injured in Motor Vehicle Crashes per 100 Million VMT, by Year

National Center for Statistics & Analysis



Sources: NASS GES / FHWA VMT

2003 Early Assessment Shows

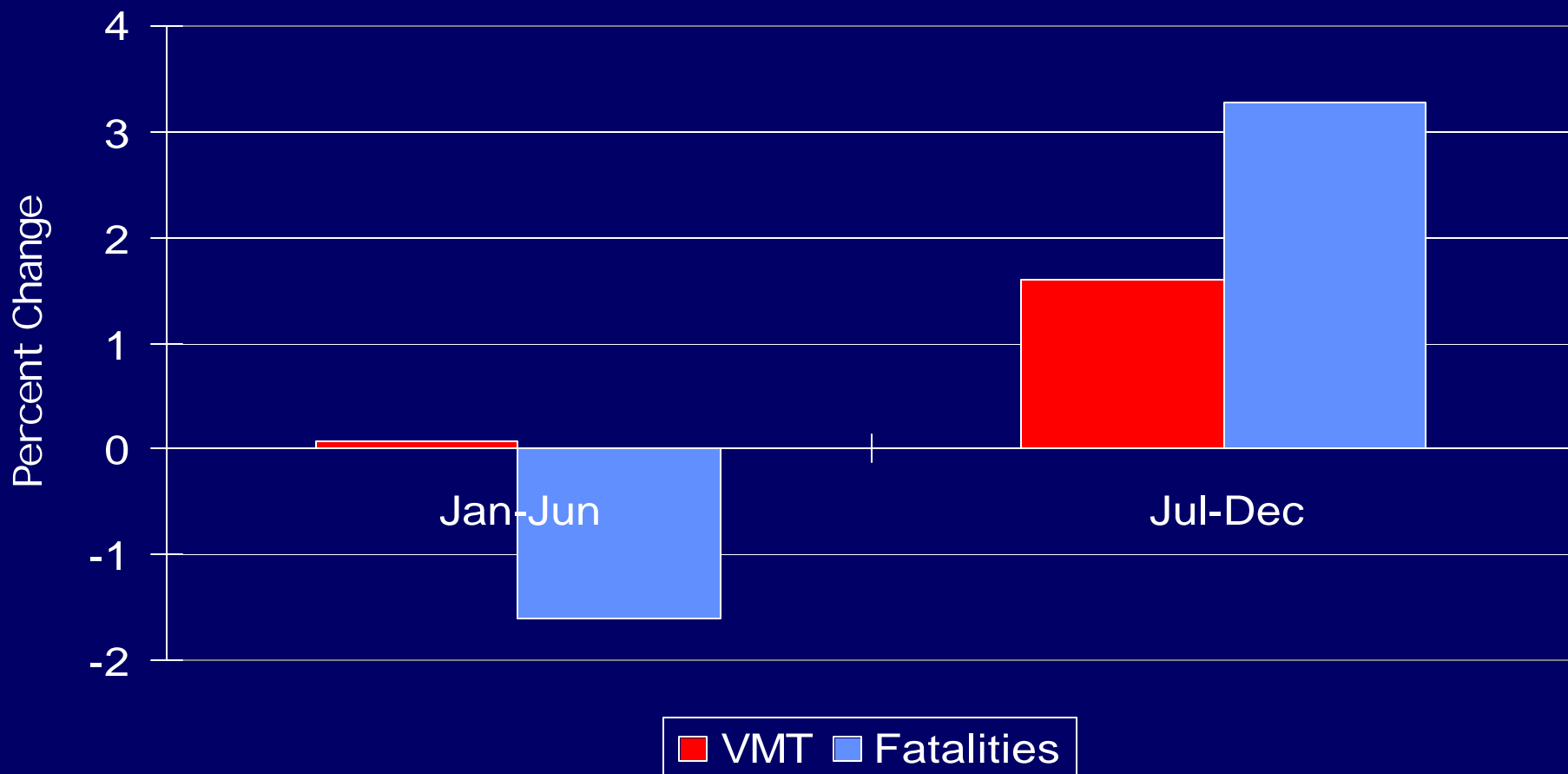
National Center for Statistics & Analysis



- The first half of 2003 followed a declining trend in fatalities seen in the latter part of 2002
- The second half of 2003 showed an increase in fatalities compared to 2002
- These trends are similar to exposure data (VMT)

Percent Change in VMT and Fatalities, 2003 vs. 2002

National Center for Statistics & Analysis



Sources: Dec 2002 & 2003 FHWA TVT VMT

➤ **Motor Vehicle Crash
Fatality Rates were
Unchanged,
but ...**

**Injury Rates declined
slightly**

Motor Vehicle Crash Fatality and Injury Rates

National Center for Statistics & Analysis



Rate	Year		% Change
	2002	2003	
Persons Killed			
/100M VMT	1.50	1.50*	0%
/100K Reg. Vehicles	18.97	18.78**	-1.0%
/100K Population	14.87	14.86	-0.1%
Persons Injured			
/100M VMT	102	100*	-2.0%
/100K Reg. Vehicles	1,296	1.256**	-3.1%
/100K Population	1,016	994	-2.2%

*Based on December 2003 FHWA TVT estimates.
Sources: FARS, NASS GES, FHWA, and Census Bureau

**Based on NHTSA's Projections

Exposure Data

National Center for Statistics & Analysis



Exposure Measure	Year		% Change
	2002	2003	
Vehicle Miles Traveled	2,855,756M	2,879,894M*	+0.8%
Registered Vehicles	225,684,815	230,199,000**	+2.0%
Population***	287,973,924	290,809,777	+1.0%

*FHWA December 2003 TVT estimates.

**Based on NHTSA projections.

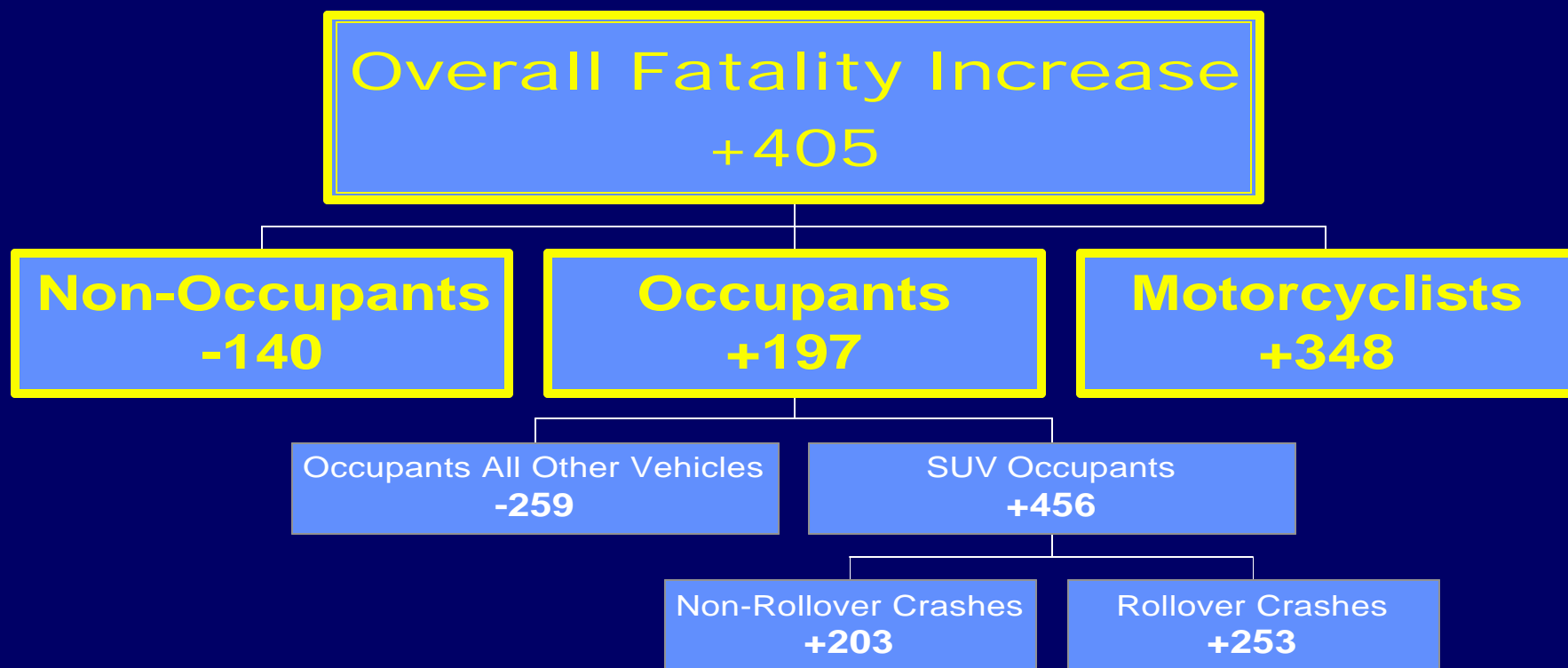
***July 1 Census Bureau estimates, release date December 18, 2003.

Sources: R.L. Polk, FHWA, Census Bureau

Where were the Increases in Fatalities?

Where Fatalities Increased in 2003

National Center for Statistics & Analysis



- Total Occupant fatalities (excluding motorcycle riders) increased slightly.
- Motorcycle rider fatalities increased by 11%.
- Non-occupant fatalities declined.

Persons Killed in Motor Vehicle Crashes, by Role

National Center for Statistics & Analysis



Role	2002	2003	Change	% Change
Occupants	33,988	34,185	+197	+0.6%
Drivers	23,539	23,898	+359	+1.5%
Passengers	10,339	10,175	-164	-1.6%
Unknown Occupant	110	112	+2	+1.8%
Motorcyclists	3,244	3,592	+348	+11%
Non-Occupants	5,583	5,443	-140	-2.5%
Pedestrians	4,808	4,672	-136	-2.8%
Pedalcyclists	662	626	-36	-5.4%
Other*	113	145	+32	+28%
TOTAL	42,815	43,220	+405	+0.9%

*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

Source: FARS

Persons Injured in Motor Vehicle Crashes, by Role

National Center for Statistics & Analysis



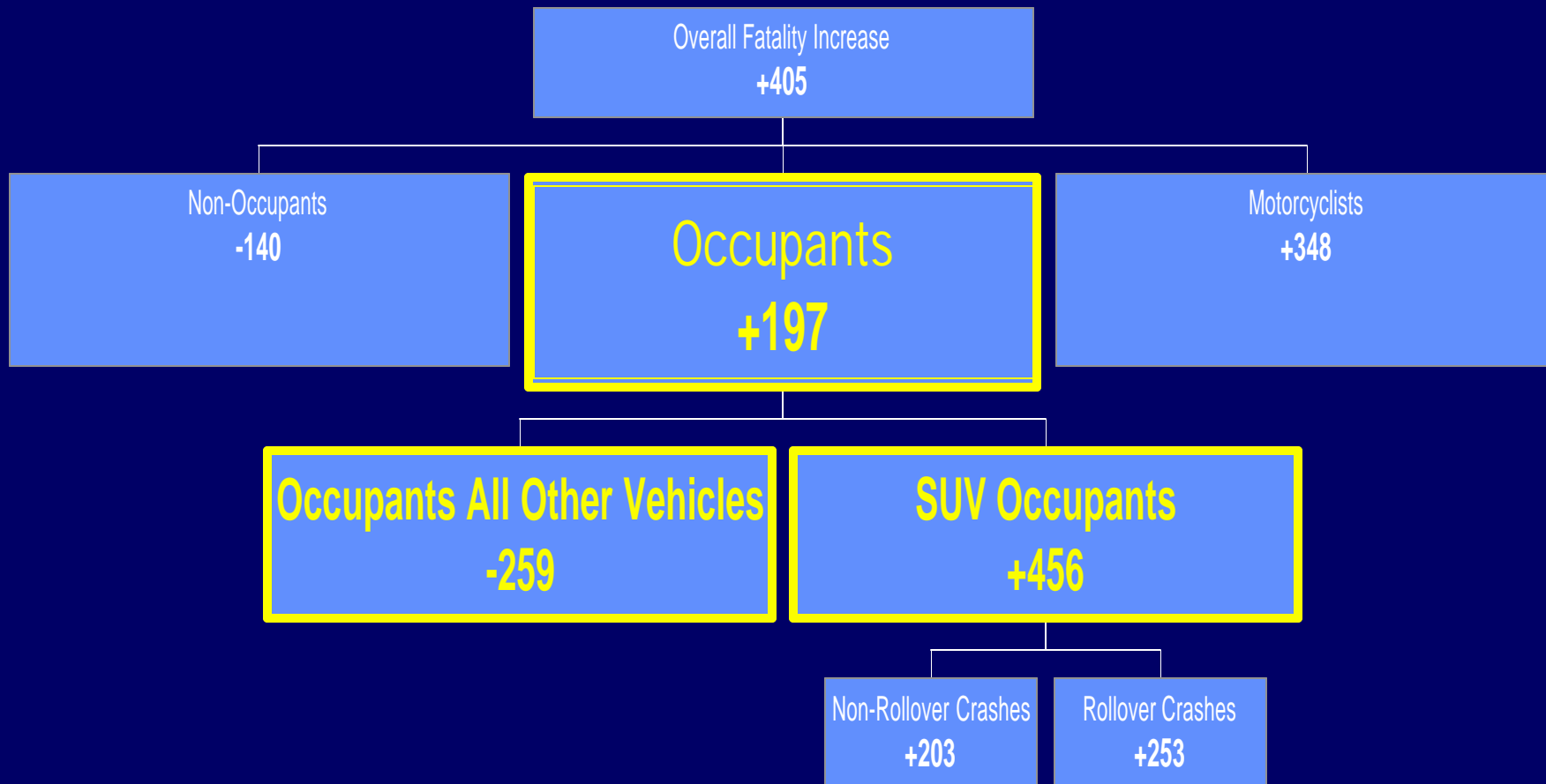
Role	Year		% Change
	2002	2003	
Occupants	2,735,000	2,708,000	-1.0%
Drivers	1,863,000	1,848,000	-0.8%
Passengers	873,000	859,000	-1.6%
Motorcyclists	65,000	64,000	-1.5%
Non-Occupants	126,000	119,000	-5.6%
Pedestrians	71,000	68,000	-4.2%
Pedalcyclists	48,000	44,000	-8.3%
Other*	7,000	8,000	+14%
TOTAL	2,926,000	2,891,000	-1.2%

*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

Note: Totals may not add due to rounding. Percentages computed after rounding. Source: NASS GES

Occupant Fatalities Increased in 2003

National Center for Statistics & Analysis



- Passenger Vehicle Occupant fatalities declined slightly.
- However, SUV occupant fatalities increased by 11%.
- The increase in SUV occupant fatalities corresponds to a 12% increase in SUV registrations.

Occupants Killed in Motor Vehicle Crashes, by Vehicle Type

National Center for Statistics & Analysis



Vehicle Type	2002	2003	Change	% Change
Passenger Cars	20,416	19,638	-778	-3.8%
Light Trucks	12,182	12,527	+345	+2.8%
Vans	2,095	2,036	-59	-2.8%
SUVs	3,995	4,451	+456	+11%
Pickups	6,057	6,016	-41	-1%
Other	35	24	-11	-31%
Total Passenger Vehicles	32,598	32,165	-433	-1.3%
Large Trucks	684	710	+26	+3.8%
Other/Unknown*	706	1,310	+604	N/A
TOTAL	33,988	34,185	+197	+0.6%

*Many of the unknown vehicle types in the 2003 Early Assessment file will be resolved in the 2003 Annual Report file, thus effecting percent changes that are shown throughout this presentation. Source: FARS

Registered Passenger Vehicles, by Vehicle Type

National Center for Statistics & Analysis



Vehicle Type	2002	2003	Change	% Change
Passenger Cars	129,906,797	131,072,466	1,165,669	+0.9%
Light Trucks	82,085,865	85,657,140	3,571,275	+4.4%
Vans	18,264,826	18,443,555	178,729	+1.0%
SUVs	24,180,876	27,071,042	2,890,166	+12%
Pickups	38,383,119	38,924,268	541,149	+1.4%
Other	1,257,044	1,218,275	38,769	-3.1%

Source: R.L.Polk

Occupants Injured in Motor Vehicle Crashes, by Type of Vehicle

National Center for Statistics & Analysis



Type of Vehicle	Year		% Change
	2002	2003	
<i>TOTAL Occupants</i>	2,735,000	2,708,000	-1.0%
Passenger Cars	1,805,000	1,755,000	-2.8%
LTVs*	879,000	899,000	+2.3%
Large Trucks	26,000	27,000	+3.8%
Other Vehicles**	25,000	27,000	+8.0%

*LTV = Pickup Truck, Van, and Sport Utility Vehicle

**Includes vehicle occupants injured in buses and other vehicle types.

Note: Totals may not add due to rounding. Percentages computed after rounding.

Source: NASS GES

➤ The proportion of unrestrained Passenger Vehicle Occupants Killed in Motor Vehicle Crashes

Declined Slightly

Passenger Vehicle Occupant Fatalities (All Ages), by Restraint Use

National Center for Statistics & Analysis



Restraint Use	Year			
	2002		2003	
Persons Killed	32,598	100%	32,165	100%
Restraint Used	13,471	41%	13,638	42%
Restraint Not Used	19,127	59%	18,528	58%

Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories. In both years restraint use was unknown for 8% of passenger vehicle occupants.

Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Note. Many of the unknown vehicle types in the 2003 Early Assessment file will be resolved in the 2003 Annual Report file, thus contributing some additional occupant fatalities to passenger vehicles than is currently being reported.

Source: FARS

2003 Early Assessment Shows

National Center for Statistics & Analysis



- Nearly two-thirds of teen (ages 16–20) passenger vehicle occupants killed were unrestrained

Passenger Vehicle Occupant Fatalities Teens (16-20) and Adults (21+), by Restraint Use

National Center for Statistics & Analysis



Restraint Use	Year			
	2002		2003	
Ages 16-20	5,625	100%	5,332	100%
Restraint Used	1,999	36%	1,907	36%
Restraint Not Used	3,626	64%	3,424	64%
Ages 21 and older	25,109	100%	24,987	100%
Restraint Used	10,617	42%	10,909	44%
Restraint Not Used	14,492	58%	14,078	56%

Occupant Fatalities whose restraint use was unknown were distributed proportionally to the known use categories.
Restraint Used = Use of any type of restraint, e.g., lap belt, lap/shoulder belt, child safety seat, etc.

Source: FARS

Alcohol-Related Crashes

➤ The Estimated Number of People Killed in Alcohol-Related Crashes

Remain Essentially Unchanged

Persons Killed, by Highest BAC in Crash

National Center for Statistics & Analysis

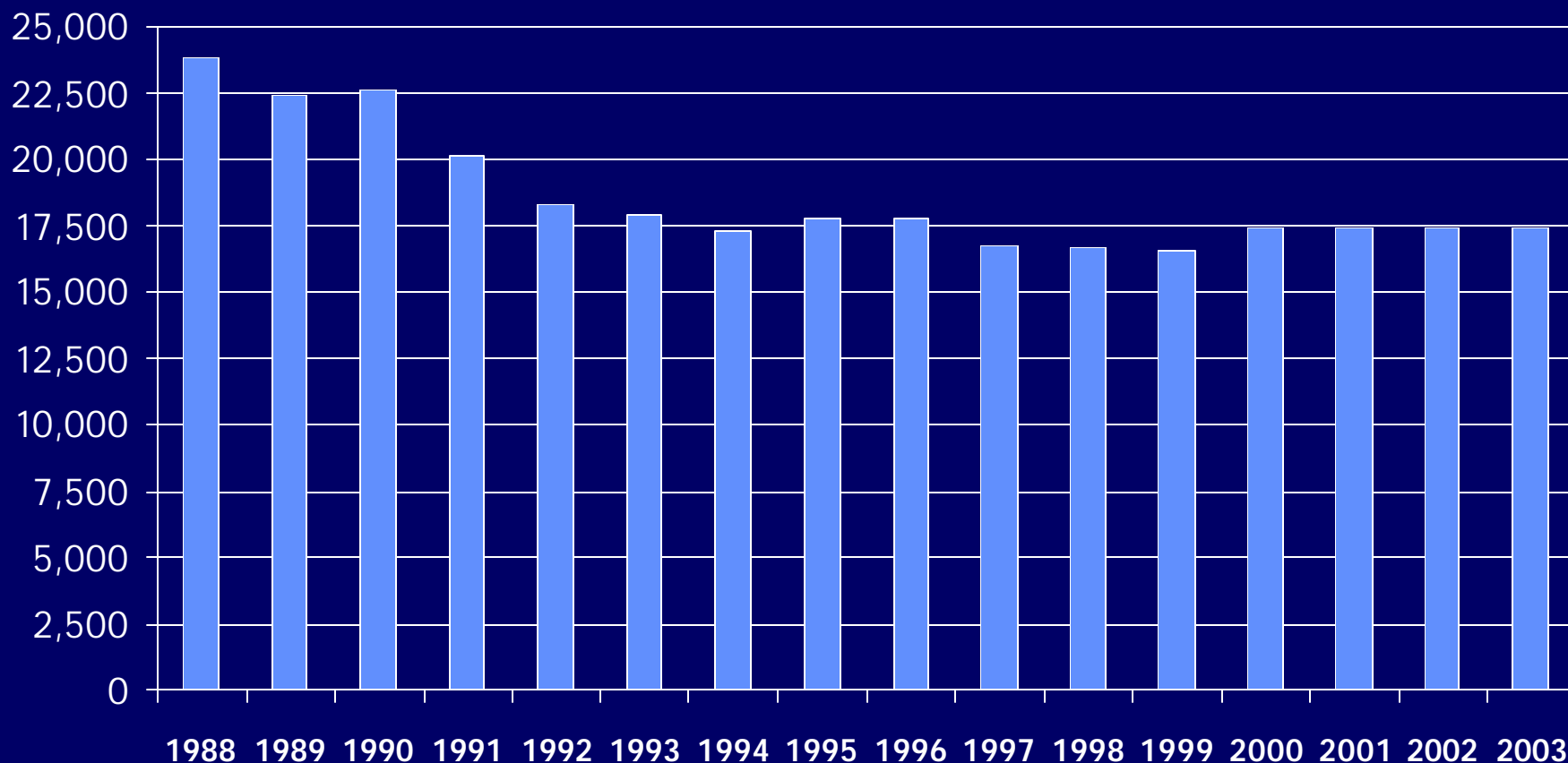


Highest BAC in Crash	Year		% Change
	2002	2003	
Alcohol-Related Fatalities	17,419	17,401	-0.1%
Fatality Rate / 100 M VMT	0.61	0.60	
% All Fatalities	41%	40%	
Impaired (0.01 <= BAC <= 0.07)	2,401	2,339	-2.6%
Intoxicated (0.08 <= BAC)	15,019	15,063	+0.3%

Source: FARS, FHWA

Persons Killed in Alcohol-Related Traffic Crashes, by Year

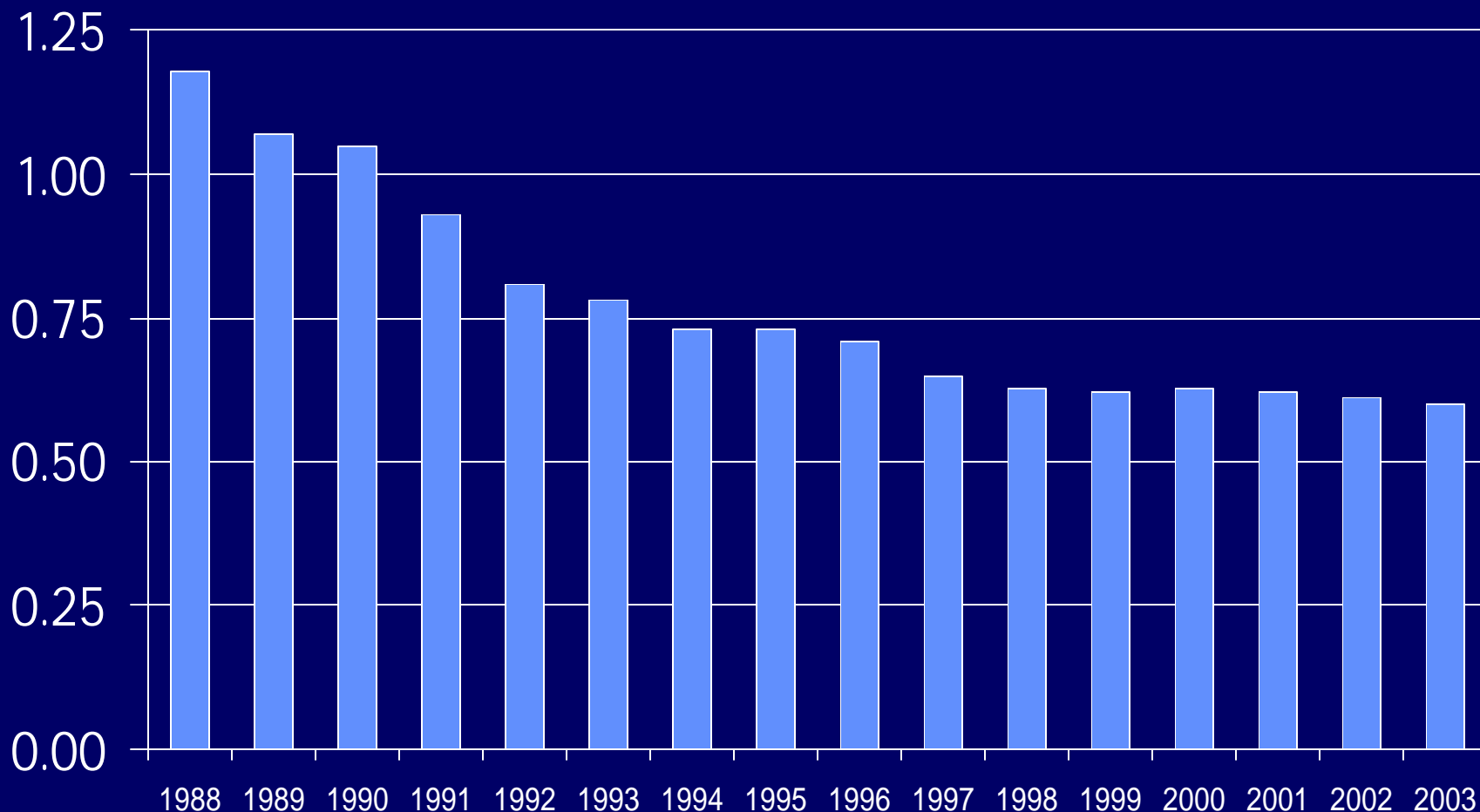
National Center for Statistics & Analysis



Source: FARS

Number of Alcohol Related Fatalities per 100 Million VMT, by Year

National Center for Statistics & Analysis



Source: FARS; FHWA, DOT

Persons Killed in Alcohol-Related Crashes, by Role

National Center for Statistics & Analysis



Role	2002	2003	Change	% Change
Occupants	13,440	13,439	-1	-0%
Drivers	9,617	9,806	+189	+2.0%
Passengers	3,773	3,581	-192	-5.1%
Unknown Occupant	49	52	+3	+6.1%
Motorcyclists	1,422	1,452	+30	+2.1%
Non-Occupants	2,558	2,511	-47	-1.8%
Pedestrians	2,278	2,240	-38	-1.7%
Pedalcyclists	243	231	-12	-4.9%
Other*	37	40	+3	+8.1%
TOTAL	17,419	17,401	-18	-0.1%

*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

Source: FARS

Persons Injured in Alcohol-Related Crashes, by Role

National Center for Statistics & Analysis



Role	Year		% Change
	2002	2003	
Occupants	237,000	268,000	+13%
Drivers	163,000	182,000	+12%
Passengers	74,000	85,000	+15%
Motorcyclists	8,000	7,000	-13%
Non-Occupants	13,000	17,000	+31%
Pedestrians	10,000	11,000	+10%
Pedalcyclists	2,000	5,000	+150%
Other*	1,000	1,000	0%
TOTAL	258,000	292,000	+13%

*Includes occupants of motor vehicles not in transport and of non-motor vehicle transport devices.

Note: Totals may not add due to rounding. Percentages computed after rounding. Source: NASS GES

Occupants and Motorcyclists Killed in Alcohol-Related Crashes, by Vehicle Type

National Center for Statistics & Analysis



Type of Vehicle	Year		% Change
	2002	2003	
Passenger Cars	7,954	7,666	-3.6%
Vans	653	599	-8.3%
SUVs	1,632	1,747	+7.0%
Pickup Trucks	2,850	2,763	-3.1%
Large Trucks	87	79	-9%
Total Occupants Killed*	13,440	13,439	-0%
Motorcycles	1,422	1,452	+2.1%

*Includes Buses, Other Vehicles and Vehicles with Unknown Body Type.
Does not include motorcycle riders.

Source: FARS

Alcohol-Involved Drivers and Motorcycle Operators in Fatal Crashes, by Vehicle Type

National Center for Statistics & Analysis



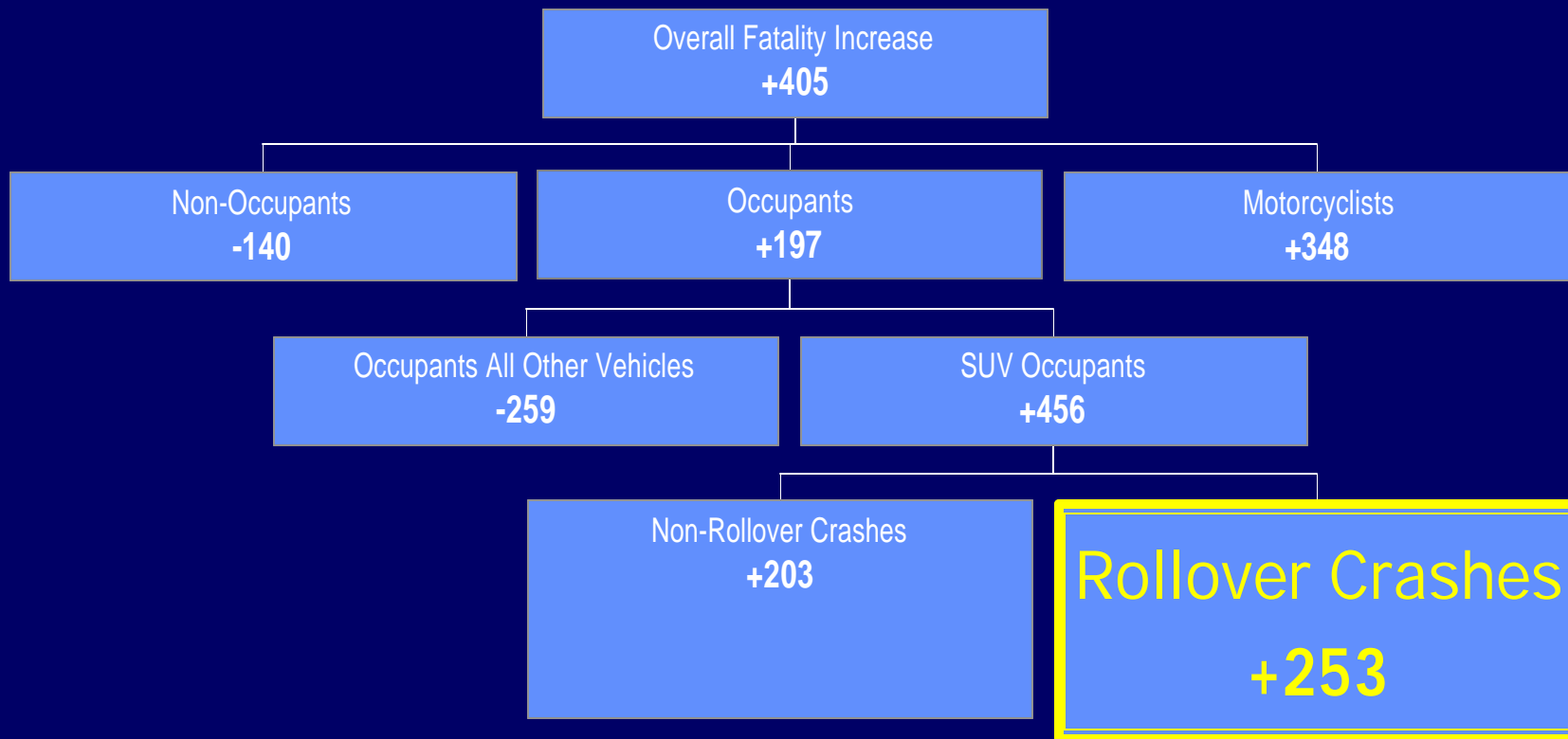
Type of Vehicle	Year		% Change
	2002	2003	
Passenger Car	7,162	6,934	-3.2%
Van	650	578	-11%
SUV	1,737	1,804	+3.9%
Pickup Truck	3,332	3,169	-4.9%
Other/Unknown*	481	854	N/A
Total	13,362	13,340	-0.2%
Motorcycle	1,300	1,298	-0.2%

*Includes Large Trucks, Buses, Other Vehicles and Vehicles with Unknown Body Type

Source: FARS

Rollover Crashes in 2003

National Center for Statistics & Analysis



➤ **Passenger Vehicle Occupant
Fatalities in Rollover Crashes
Increased
for SUVs and Vans**

**Total Injuries in Rollover Crashes
Remain Unchanged**

Passenger Vehicle Occupants Killed and Injured in Rollover Crashes, by Type of Vehicle

National Center for Statistics & Analysis



Type of Vehicle	2002	2003	% Change
Persons Killed	10,666	10,680	+0.1%
Passenger Car	4,768	4,554	-4.5%
Van	698	759	+8.7%
SUV	2,448	2,701	+10%
Pickup Truck	2,742	2,657	-3.1%
Persons Injured*	228,000	229,000	+0.4%
Passenger Car	106,000	99,000	-6.6%
Van	14,000	18,000	+29%
SUV	58,000	65,000	+12%
Pickup Truck	48,000	45,000	-6.3%

Totals for Killed and Injured include Occupants of Other Light Trucks

Source: FARS, NASS GES

*Note: Totals may not add due to rounding. Percentages computed after rounding.

Passenger Vehicle Occupants Killed and Injured, by Percent Rollover and Type of Vehicle

National Center for Statistics & Analysis



	2002			2003		
	Rollover		Total	Rollover		Total
	Yes	No		Yes	No	
Persons Killed						
Passenger Car	23%	77%	20,416	23%	77%	19,638
Van	33%	67%	2,095	37%	63%	2,036
SUV	61%	39%	3,995	61%	39%	4,451
Pickup Truck	45%	55%	6,057	44%	56%	6,106
Persons Injured						
Passenger Car	6%	94%	1,805,000	6%	94%	1,755,000
Van	7%	93%	208,000	9%	91%	204,000
SUV	18%	82%	315,000	20%	80%	332,000
Pickup Truck	14%	86%	344,000	13%	87%	346,000

Source: FARS, NASS GES

Two-Vehicle Crashes between Passenger Cars and Light Trucks (LTVs)

Occupants Killed and Injured in Two Vehicle Crashes Involving a Passenger Car and a LTV

National Center for Statistics & Analysis



	Year		% Change
	2002	2003	
Fatal Crashes			
Killed in PC	4,465	4,451	-0.3%
Killed in LTV	1,125	1,096	-2.6%
Injury Crashes			
Injured in PC	440,000	430,000	-2.3%
Injured in LTV	295,000	300,000	+1.7%

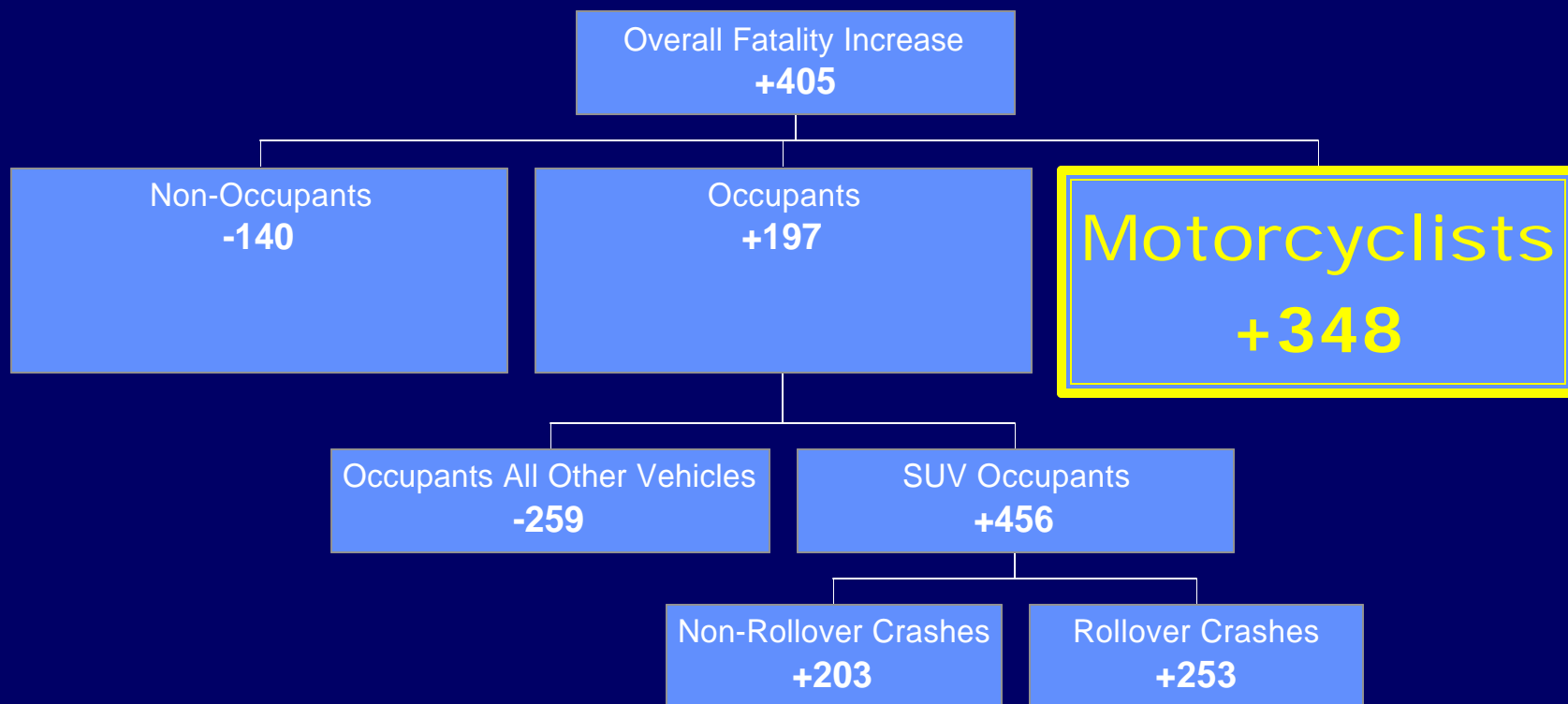
PC: Passenger Car

LTV: Light Trucks and Vans - Pickup Truck, Van, and Sport Utility Vehicle

Sources: FARS, NASS GES

Motorcycle Rider Fatalities in 2003

National Center for Statistics & Analysis



Motorcycle Riders Killed and Injured, by Year, 1997-2003

National Center for Statistics & Analysis



	Year						
	1997	1998	1999	2000	2001	2002	2003
Total Killed	42,013	41,501	41,717	41,945	42,196	42,815	43,220
Change	---	-512	+216	+228	+251	+619	+405
Motorcyclists Killed	2,116	2,294	2,483	2,897	3,197	3,244	3,592
Change	---	+178	+189	+414	+300	+47	+348
%Change	---	8.4%	8.2%	16.7%	9.4%	1.4%	10.7%
Percent of all Fatalities	5.0%	5.5%	6.0%	6.9%	7.6%	7.6%	8.3%
Motorcyclists Injured	53,000	49,000	50,000	58,000	60,000	65,000	64,000
Source: FARS							

Motorcyclist Fatality Rates, by Year, 1997-2002

National Center for Statistics & Analysis



Rate	Year						
	1997	1998	1999	2000	2001	2002	2003*
Motorcyclists Killed	2,116	2,294	2,483	2,897	3,197	3,244	3,592
/100M VMT	20.99	22.31	23.46	27.67	33.17	33.96	N/a
/100K Reg. Vehicles	55.30	59.13	59.80	66.66	65.20	64.82	N/a
*2003 VMT and registered vehicle data not available.							Source: FARS

Number of Motorcycle Riders Killed, by Age Group

National Center for Statistics & Analysis



Age Group	Year		Change	% Change
	2002	2003		
Under 20	172	208	+36	+21%
20 – 29	857	939	+82	+10%
30 – 39	776	793	+17	+2.1%
40 – 49	764	854	+90	+12%
50 & Over	672	795	+123	+18%
Unknown	3	3	0	0%
Total	3,244	3,592	+348	+11%

Motorcycle Riders Killed by Helmet Use

National Center for Statistics & Analysis



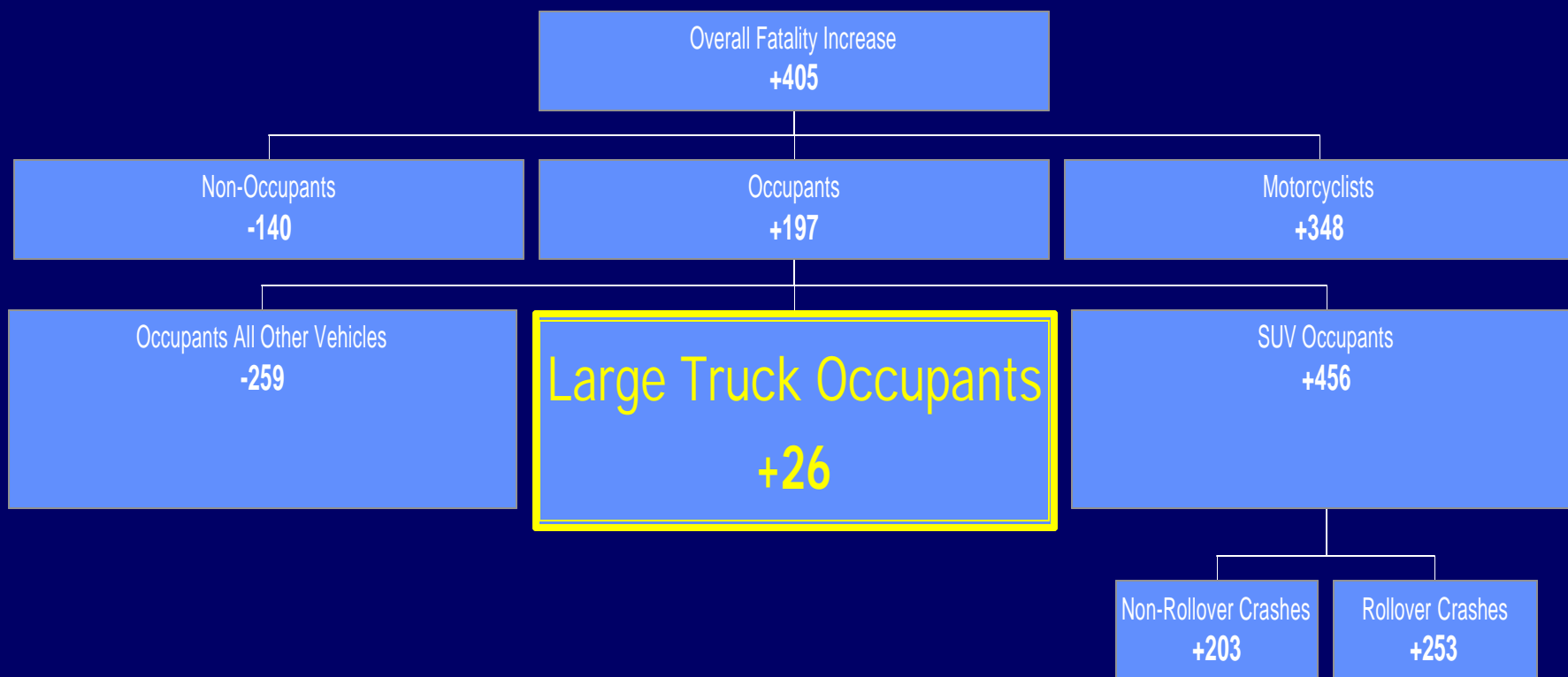
Helmet Use	Year			
	2002		2003*	
Helmet Used	1,694	52%	1,882	52%
Helmet Not Used	1,550	48%	1,709	48%

*Total fatalities may not add due to rounding.

Source: FARS

Fatalities in Large Truck Crashes in 2003

National Center for Statistics & Analysis



Persons Killed in Large Truck Crashes, by Type

National Center for Statistics & Analysis



Type	Year		% Change
	2002	2003	
Truck Occupants	684	710	+3.8%
Single Vehicle	447	440	-1.6%
Multiple Vehicle	237	270	+14%
Other Vehicle Occupants	3,853	3,849	-0.1%
Non-Occupants	360	383	+6.4%
Total	4,897	4,942	+0.9%

Source: FARS

Persons Injured in Large Truck Crashes, by Type

National Center for Statistics & Analysis



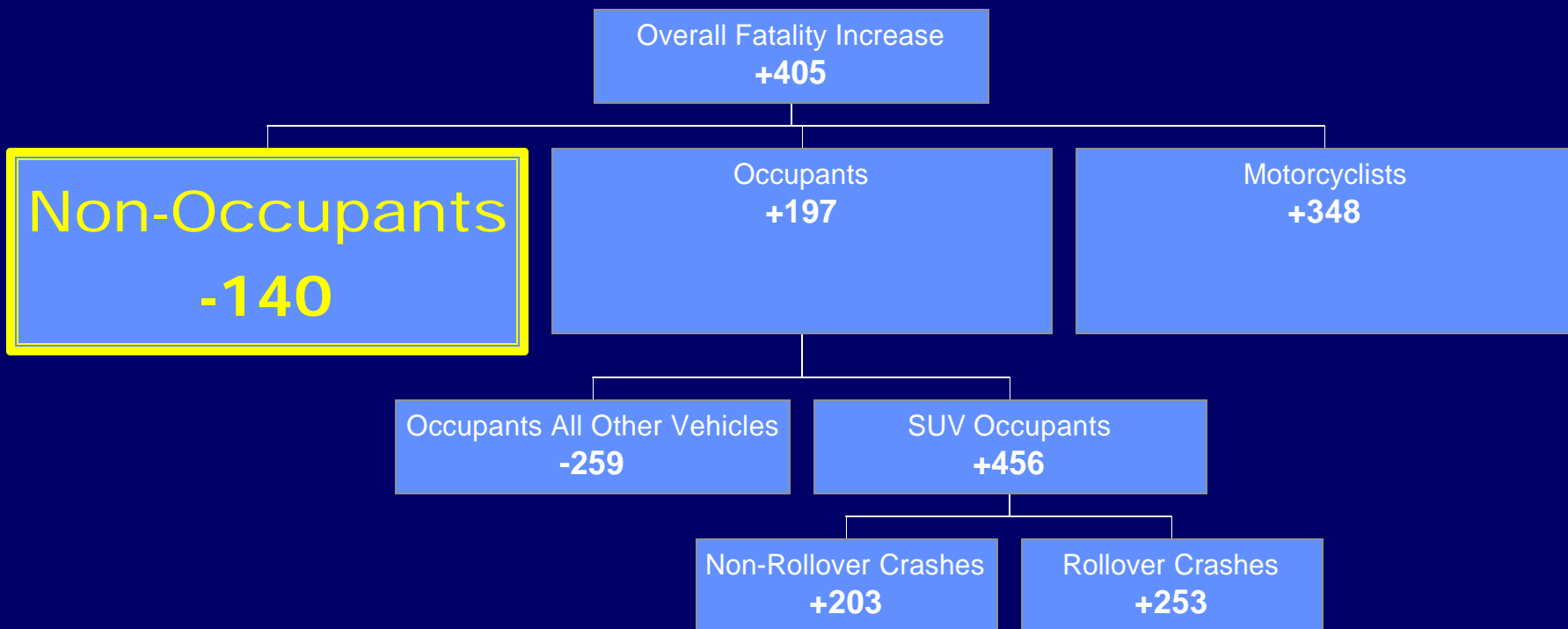
Type	Year		% Change
	2002	2003	
Truck Occupants	26,000	27,000	+3.8%
Single Vehicle	12,000	11,000	-8.3%
Multiple Vehicle	14,000	17,000	+21%
Other Vehicle Occupants	100,000	90,000	-10%
Non-Occupants	4,000	3,000	-25%
Total	130,000	121,000	-6.9%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Source: NASS GES

Non-Occupants

National Center for Statistics & Analysis



Non-Occupants Killed or Injured, by Type

National Center for Statistics & Analysis



Type	Year		% Change
	2002	2003	
Persons Killed	5,583	5,443	-2.5%
Pedestrians	4,808	4,672	-2.8%
Pedalcyclists	662	626	-5.4%
Others *	113	145	+28%
Persons Injured	126,000	119,000	-5.6%
Pedestrians	71,000	68,000	-4.2%
Pedalcyclists	48,000	44,000	-8.3%
Others *	7,000	8,000	+14%

Note: Totals may not add due to rounding. Percentages computed after rounding.

*Includes occupants of motor vehicles not in transport
and of non-motor vehicle transport devices.

Source: FARS, NASS GES

Children and Youth

Children, Under Age 4, Killed or Injured, by Role

National Center for Statistics & Analysis



Role	Year		% Change
	2002	2003	
Killed	491	502	+2.2%
Occupants	387	396	+2.3%
Non-Occupants	104	106	+1.9%
Injured	48,000	49,000	+2.1%
Occupants	46,000	47,000	+2.2%
Non-Occupants	2,000	2,000	0%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Source: FARS, NASS GES

Children, Ages 4 thru 7 Killed or Injured, by Role

National Center for Statistics & Analysis



Role	Year		% Change
	2002	2003	
Killed	477	470	-1.5%
Occupants	329	346	+5.2%
Non-Occupants	148	124	-16%
Injured	66,000	66,000	0%
Occupants	58,000	58,000	0%
Non-Occupants	8,000	7,000	-13%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Source: FARS, NASS GES

Children and Youth, Ages 8-15, Killed or Injured, by Role

National Center for Statistics & Analysis



Role	Year		% Change
	2002	2003	
Killed	1,574	1,572	-0.1%
Occupants	1,209	1,197	-1.0%
Non-Occupants	365	375	+2.7%
Injured	189,000	179,000	-5.3%
Occupants	160,000	151,000	-5.6%
Non-Occupants	29,000	28,000	-3.4%

Note: Totals may not add due to rounding. Percentages computed after rounding.

Source: FARS, NASS GES

Number of Crashes and Persons Killed in Crashes Involving Young Drivers (Ages 16-20)

National Center for Statistics & Analysis



	Year		% Change
	2002	2003	
Crashes	1,638,000	1,725,000	+5.3%
Fatal	7,738	7,452	-3.7%
Injury	519,000	520,000	+0.2%
PDO	1,111,000	1,198,000	+7.8%
Persons Killed	8,984	8,584	-4.5%
Young Drivers	3,723	3,656	-1.8%
Passengers*	2,472	2,312	-6.5%
Others	2,789	2,616	-6.2%

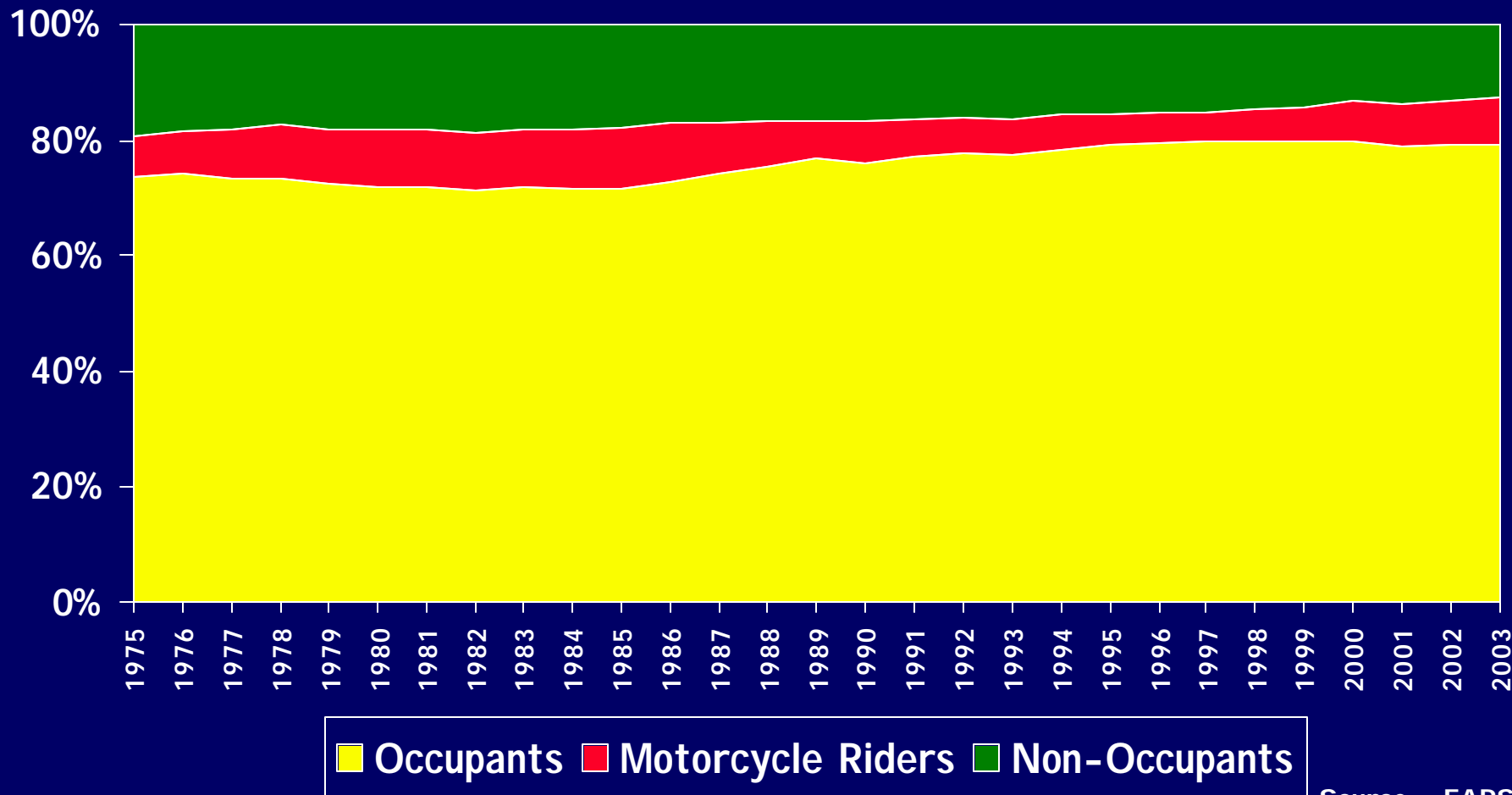
*In vehicles with young drivers

Source: FARS, NASS GES

Long Term Trends

Proportion of Fatality Rate per 100 Million VMT, by Year and Person Type

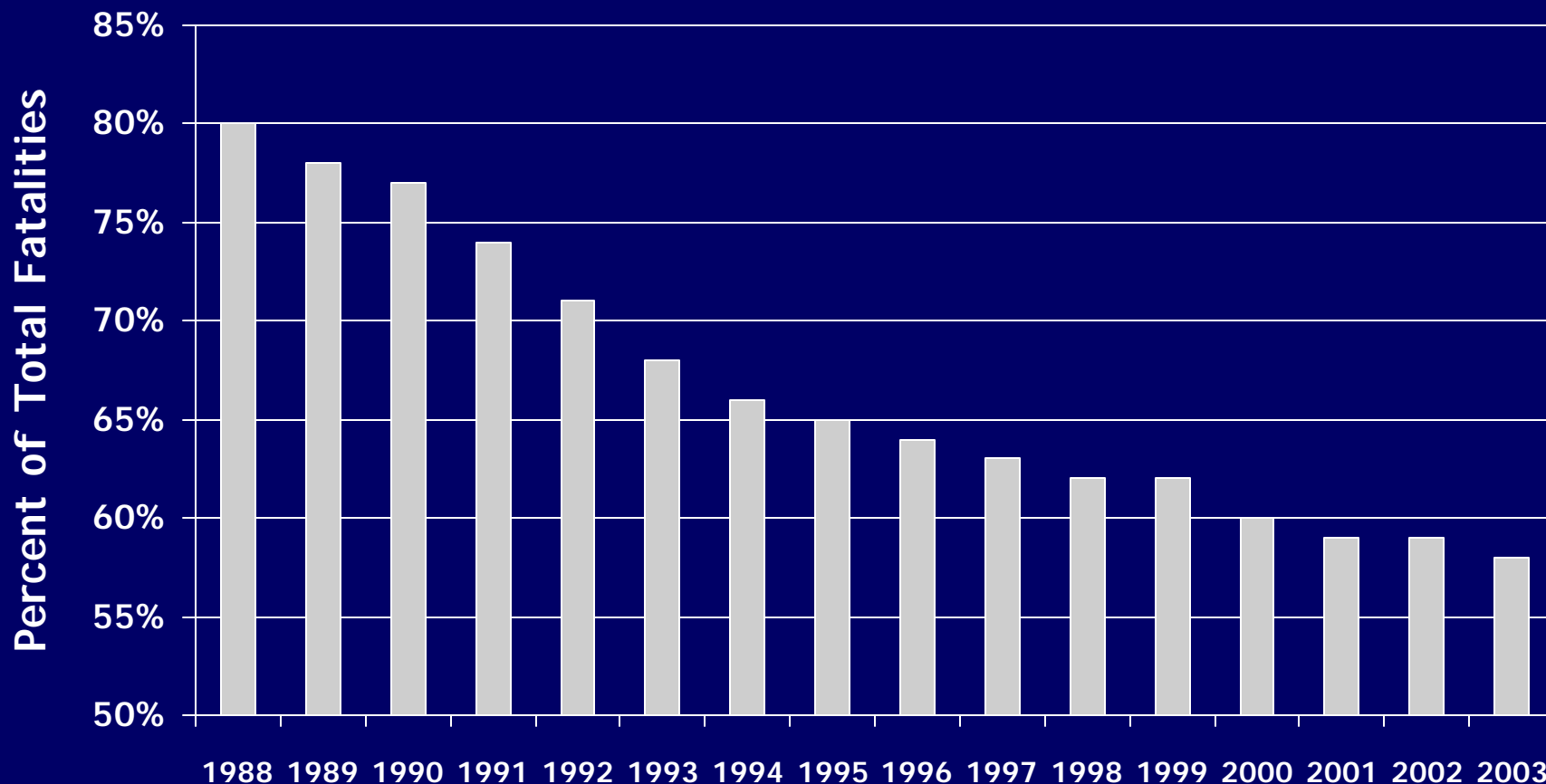
National Center for Statistics & Analysis



Source: FARS

Percent of Total Passenger Vehicle Occupant Fatalities that were Unrestrained, by Year

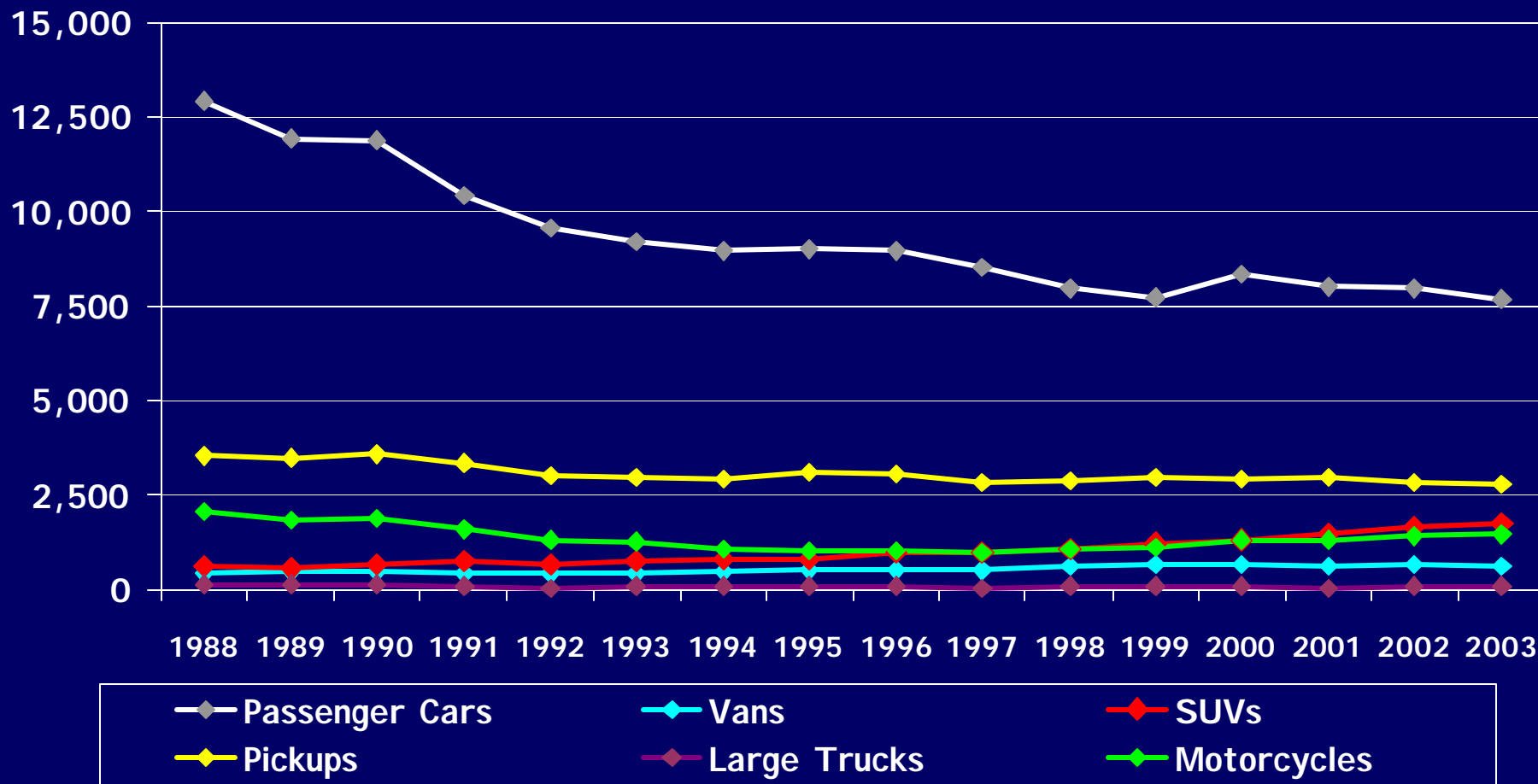
National Center for Statistics & Analysis



Source: FARS

Occupants and Motorcyclists Killed in Alcohol-Related Crashes, by Type of Vehicle

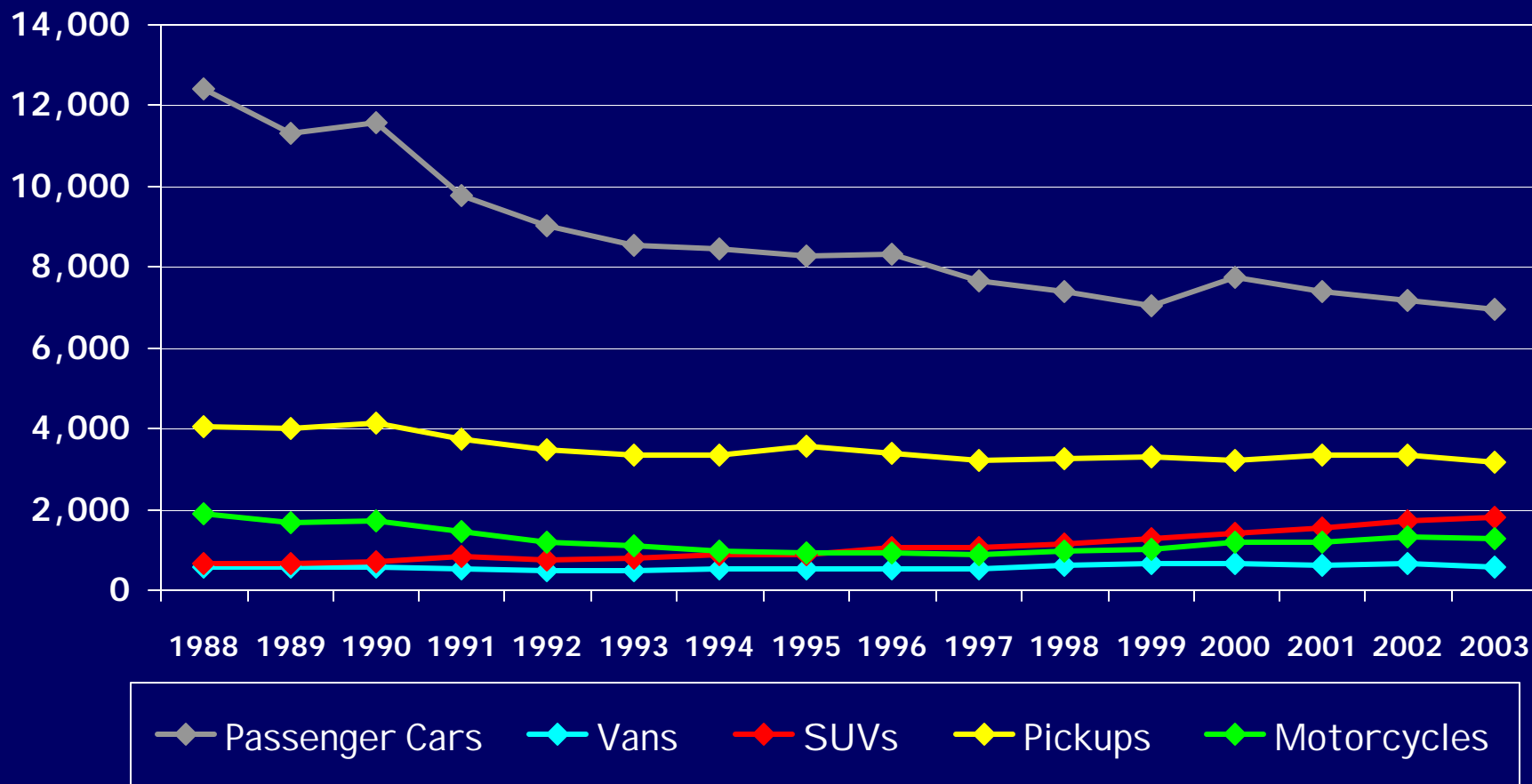
National Center for Statistics & Analysis



Source: FARS

Alcohol-Involved Drivers in Fatal Crashes, by Vehicle Type

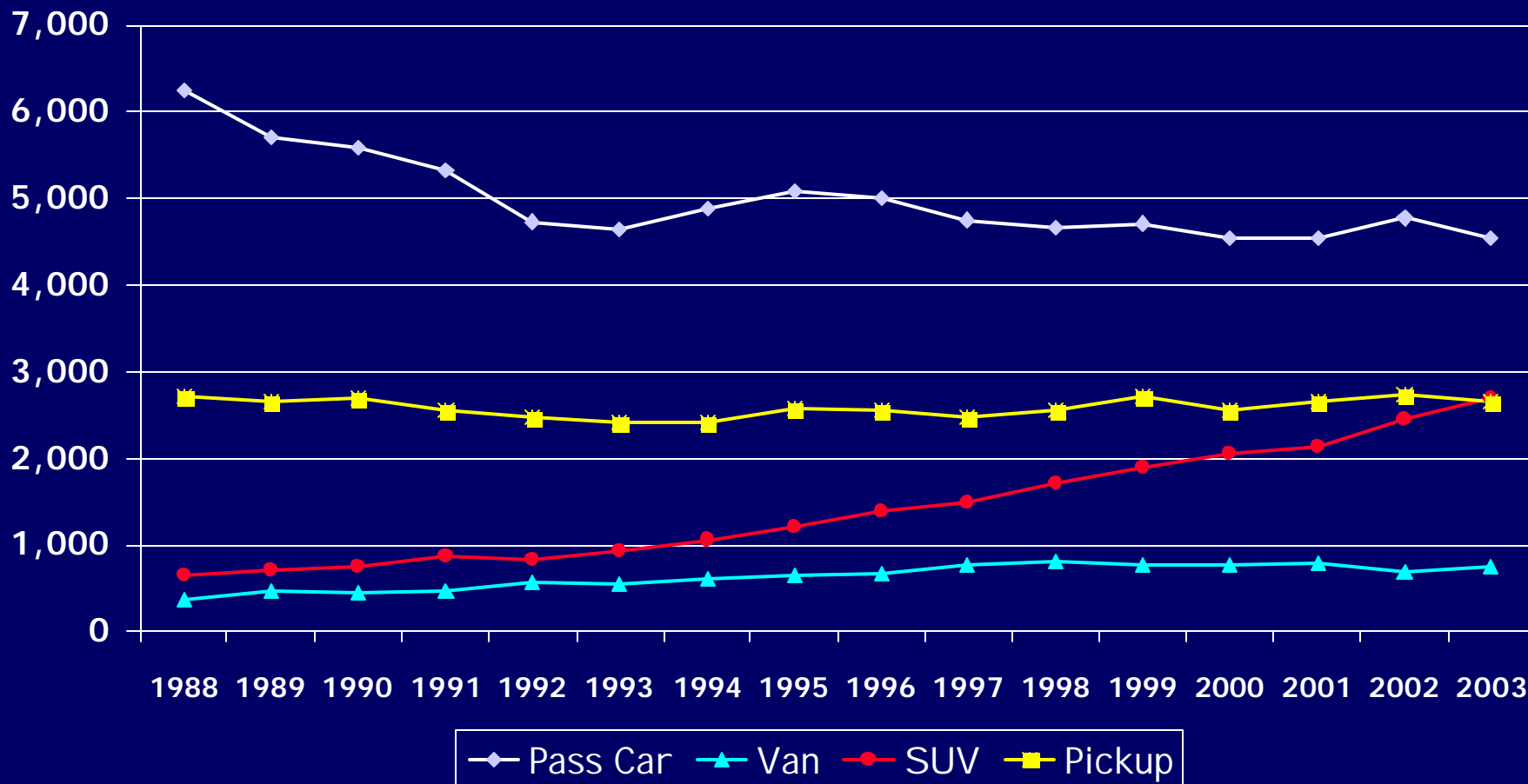
National Center for Statistics & Analysis



Source: FARS

Passenger Vehicle Occupants Killed in Rollover Crashes, by Type of Vehicle and Year

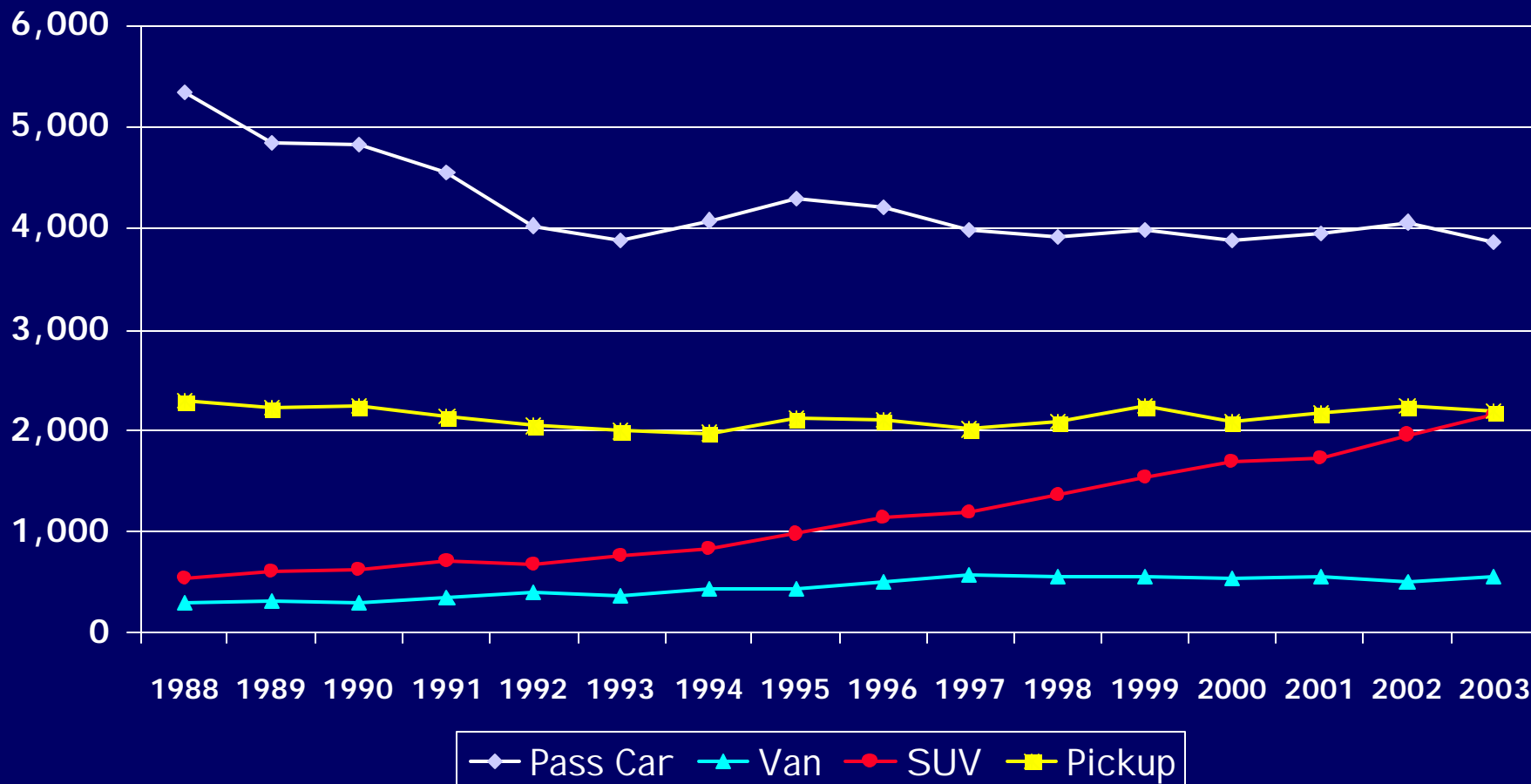
National Center for Statistics & Analysis



Source: FARS

Passenger Vehicle Occupants Killed in Single Vehicle Rollover Crashes, by Type of Vehicle and Year

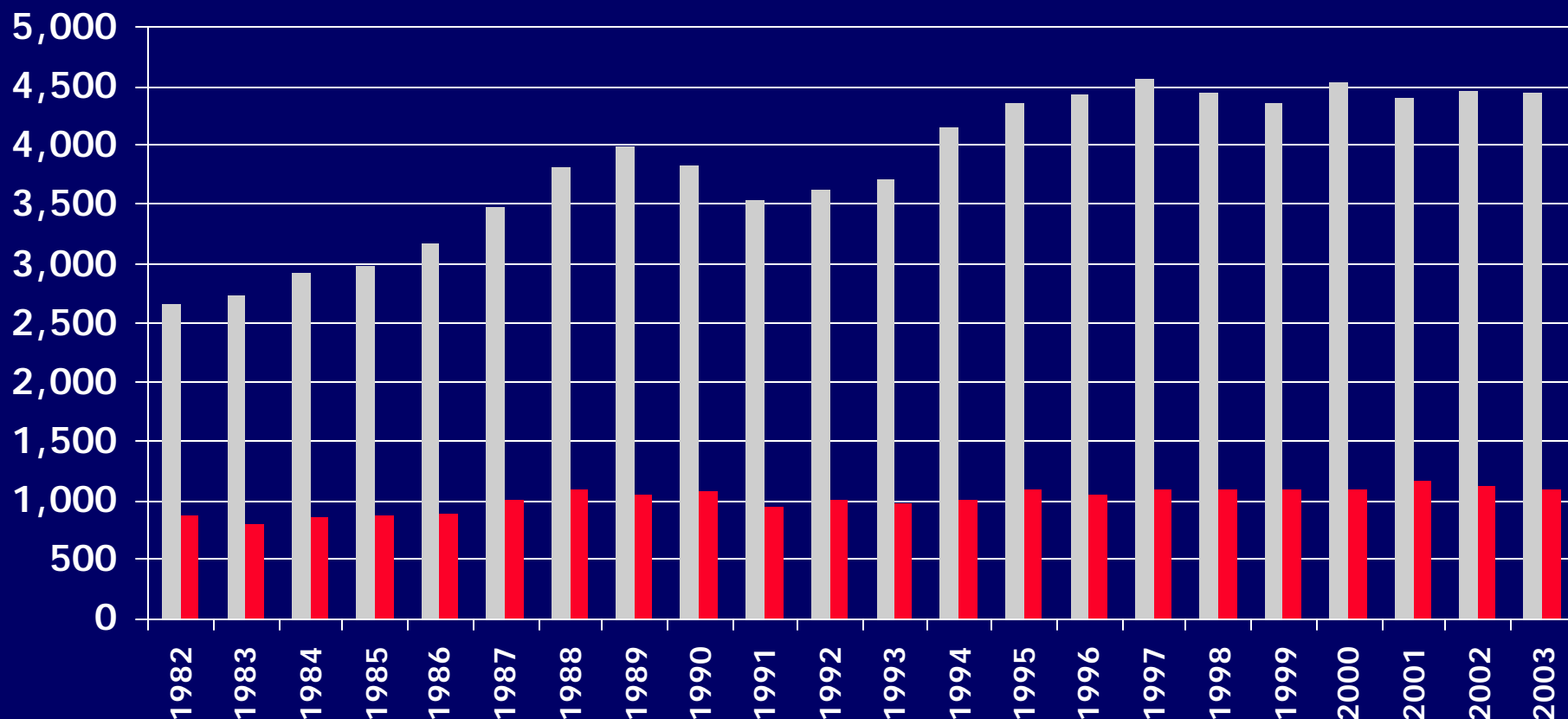
National Center for Statistics & Analysis



Source: FARS

Persons Killed in Two Vehicle Crashes Involving a Passenger Car and a LTV*, by Year

National Center for Statistics & Analysis



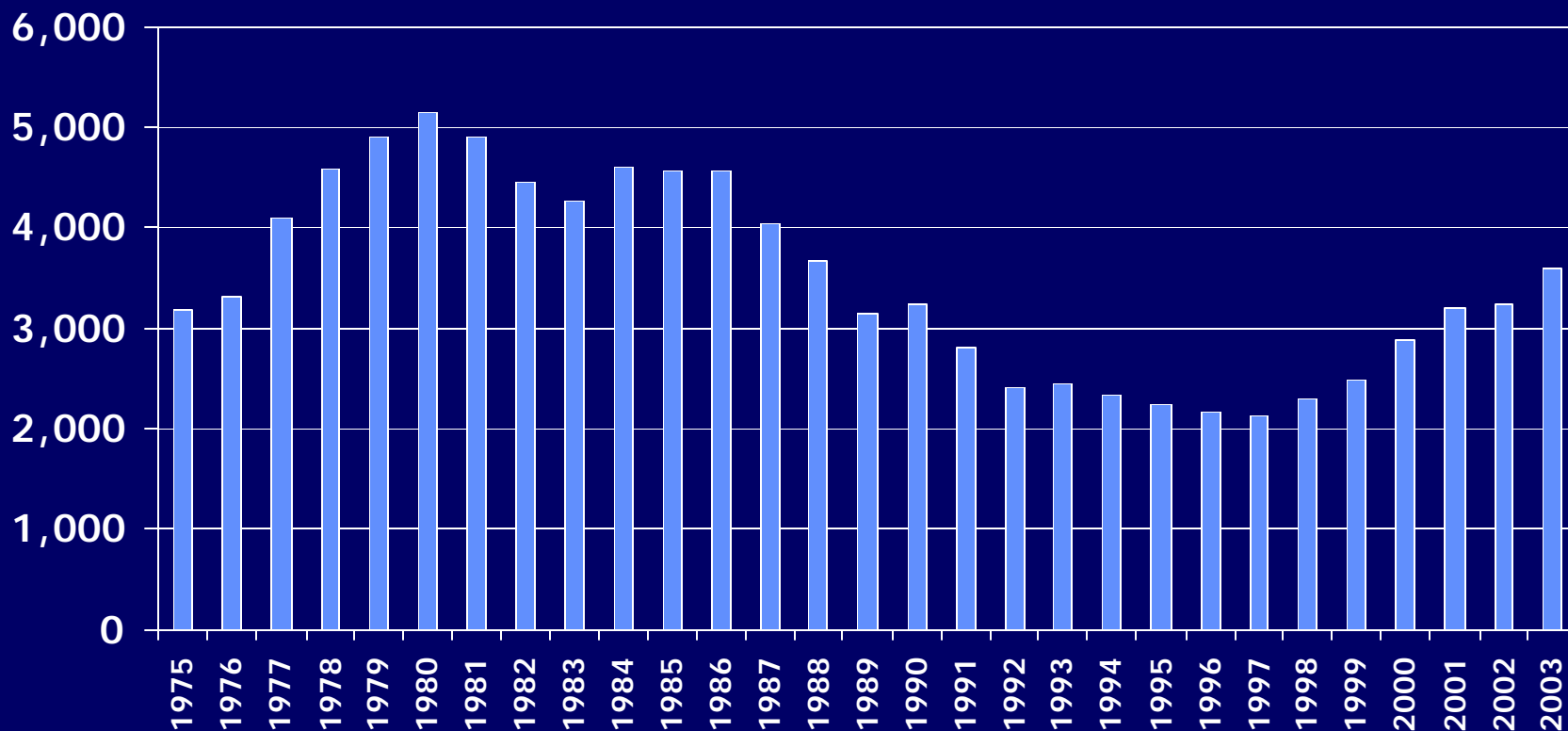
*LTV = Pickup Truck, Van,
and Sport Utility Vehicle

■ Killed in PC ■ Killed in LTV

Source: FARS

Motorcycle Riders Killed, by Year

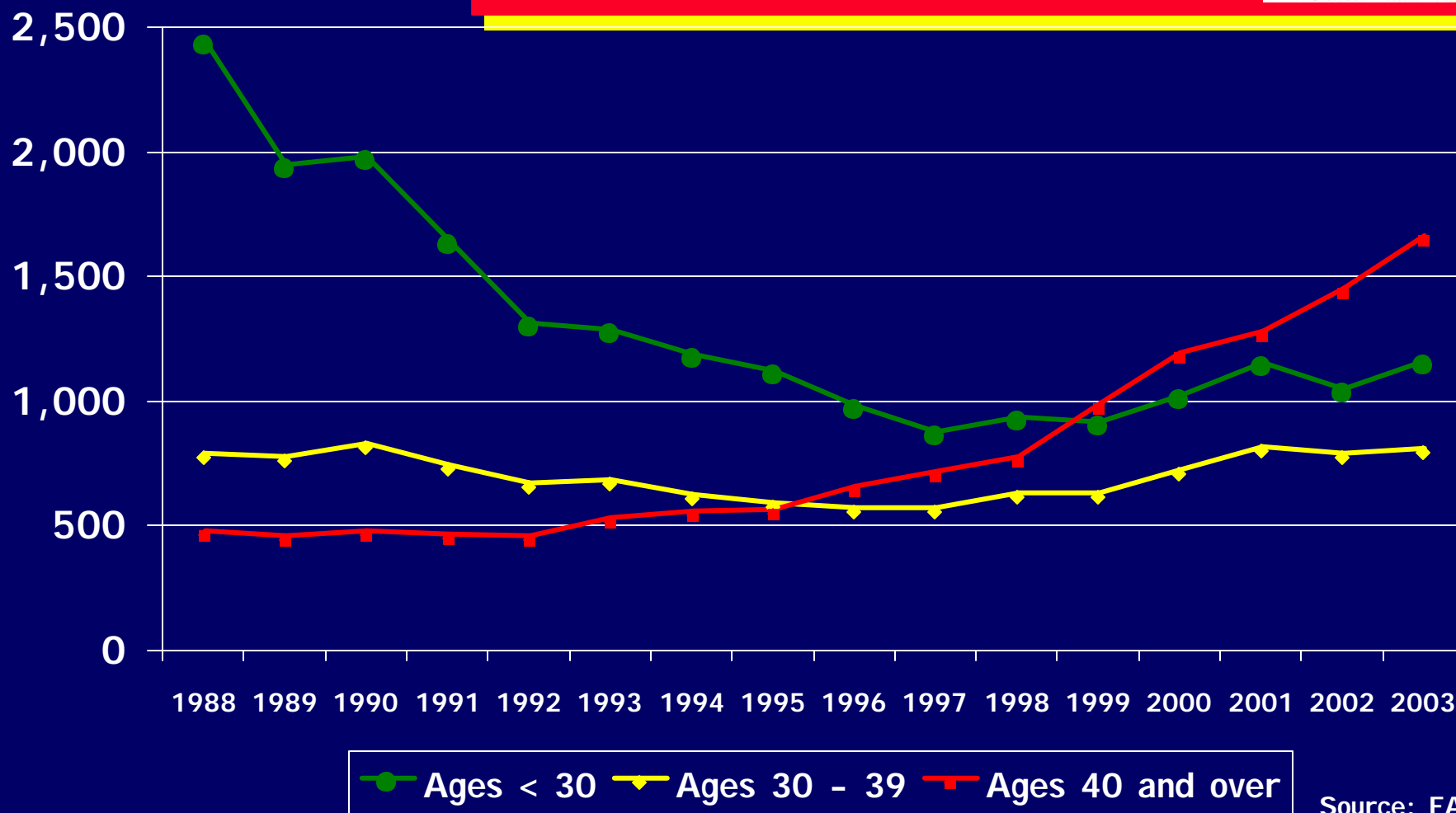
National Center for Statistics & Analysis



Source: FARS

Motorcycle Riders Killed, by Age Group and Year

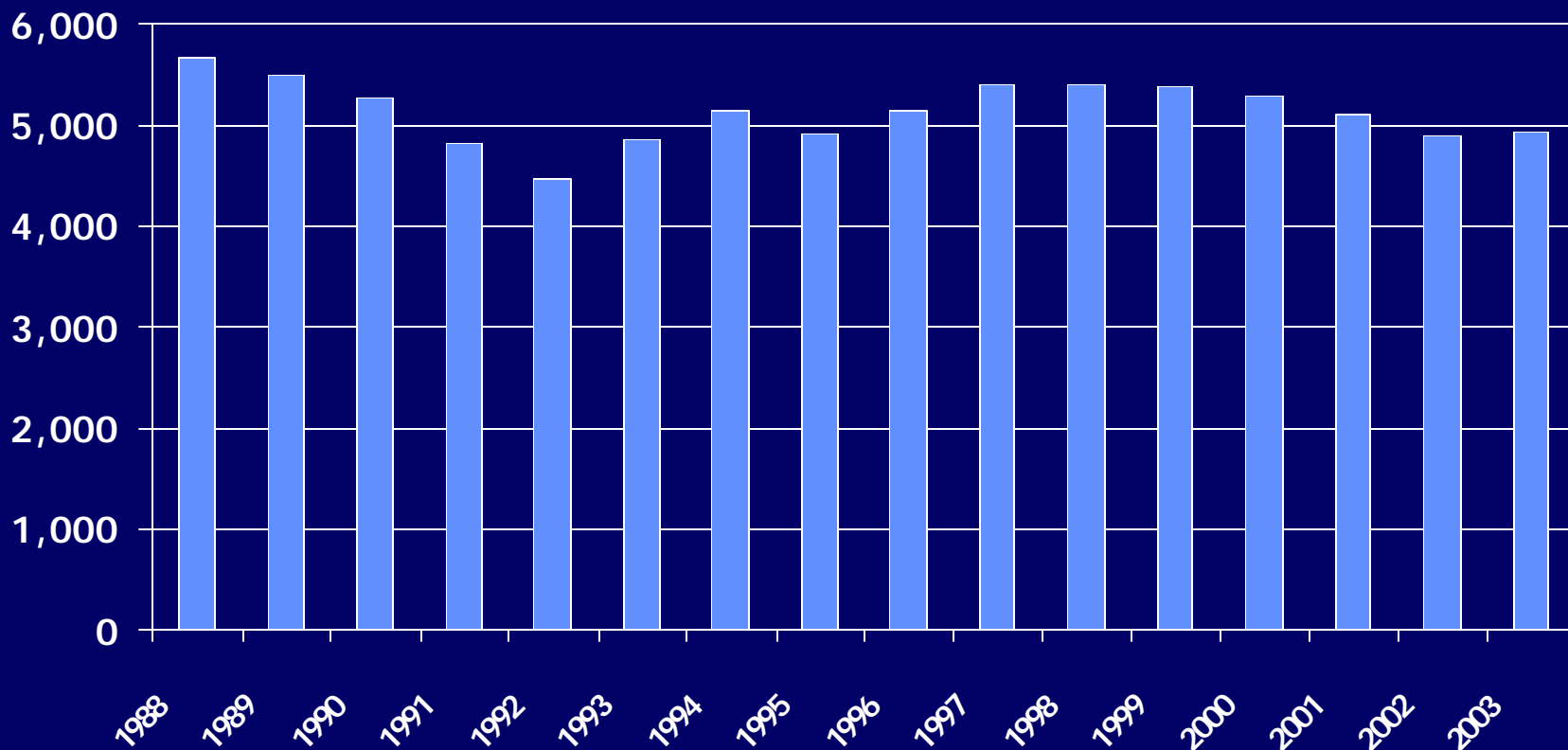
National Center for Statistics & Analysis



Source: FARS

Persons Killed in Large Truck Crashes, by Year

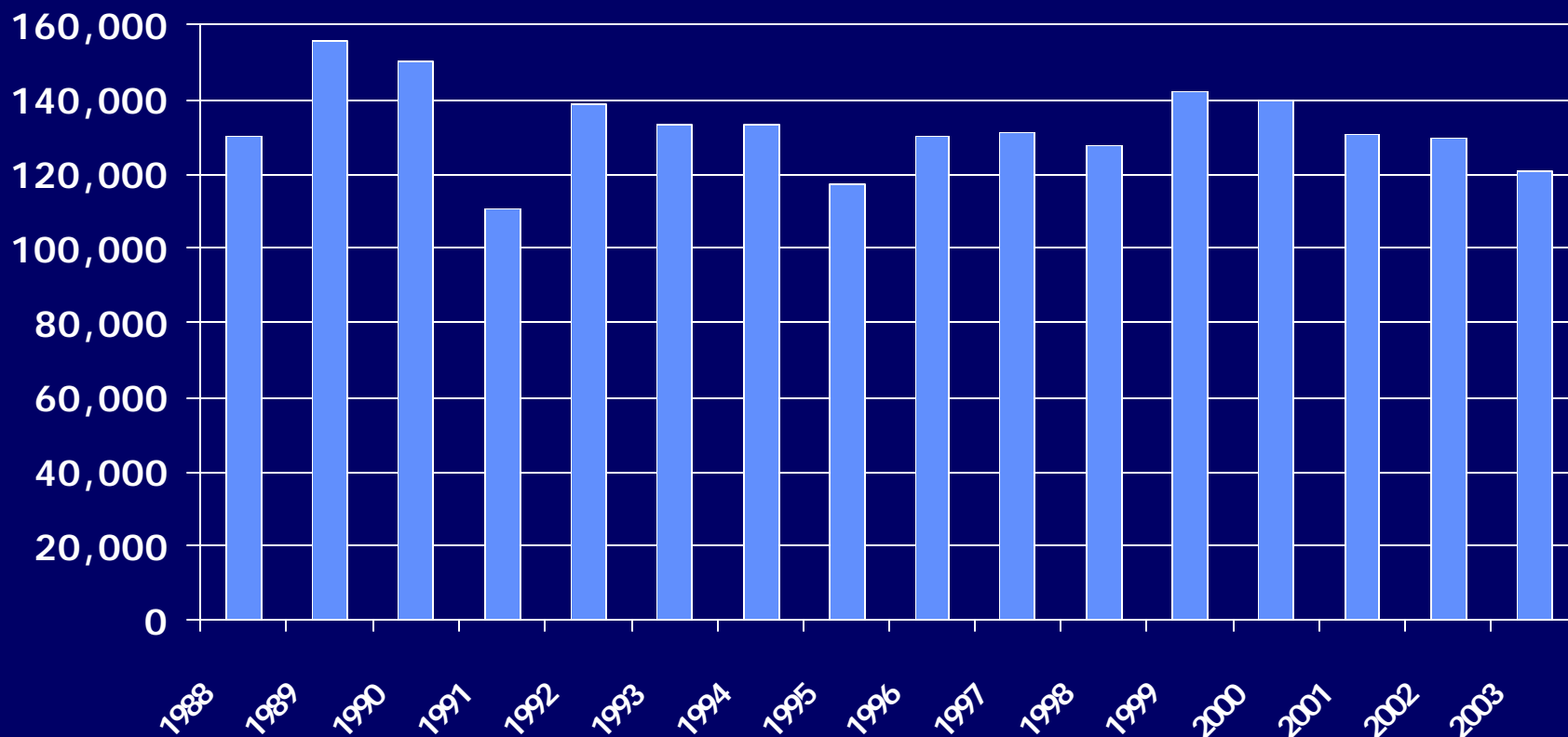
National Center for Statistics & Analysis



Source: FARS

Persons Injured in Large Truck Crashes, by Year

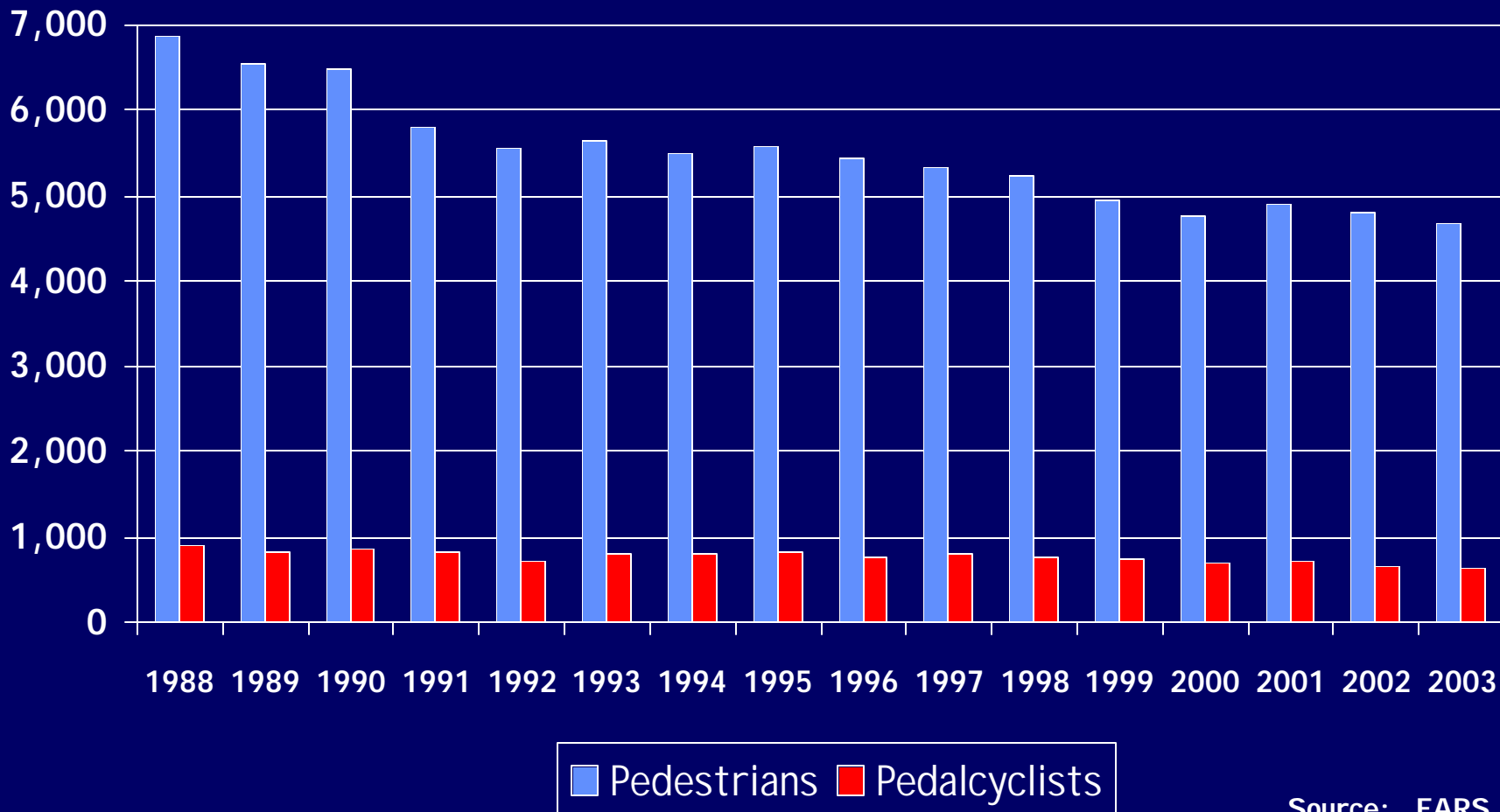
National Center for Statistics & Analysis



Source: NASS GES

Pedestrians and Pedalcyclists Killed, by Year

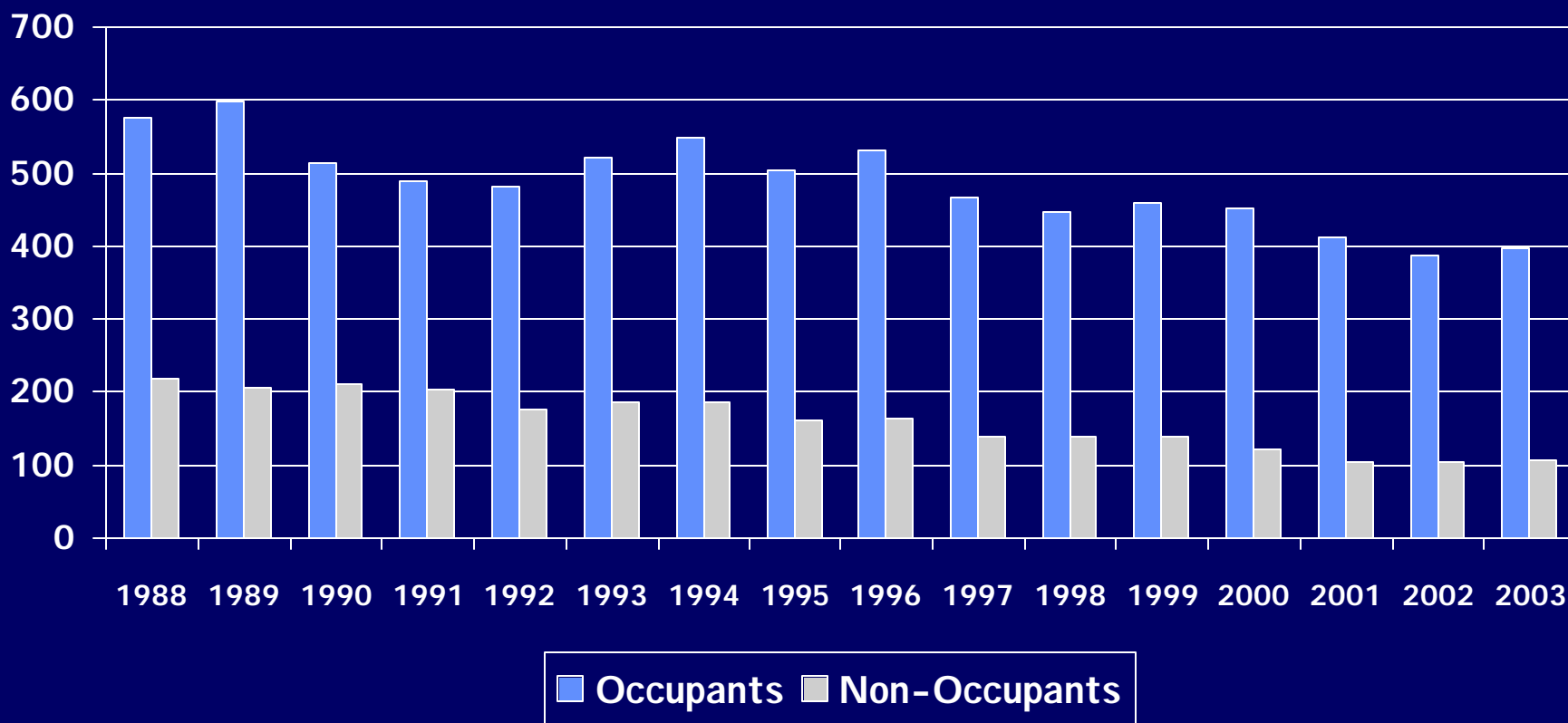
National Center for Statistics & Analysis



Source: FARS

Children Under Age 4, Killed, by Year and Role

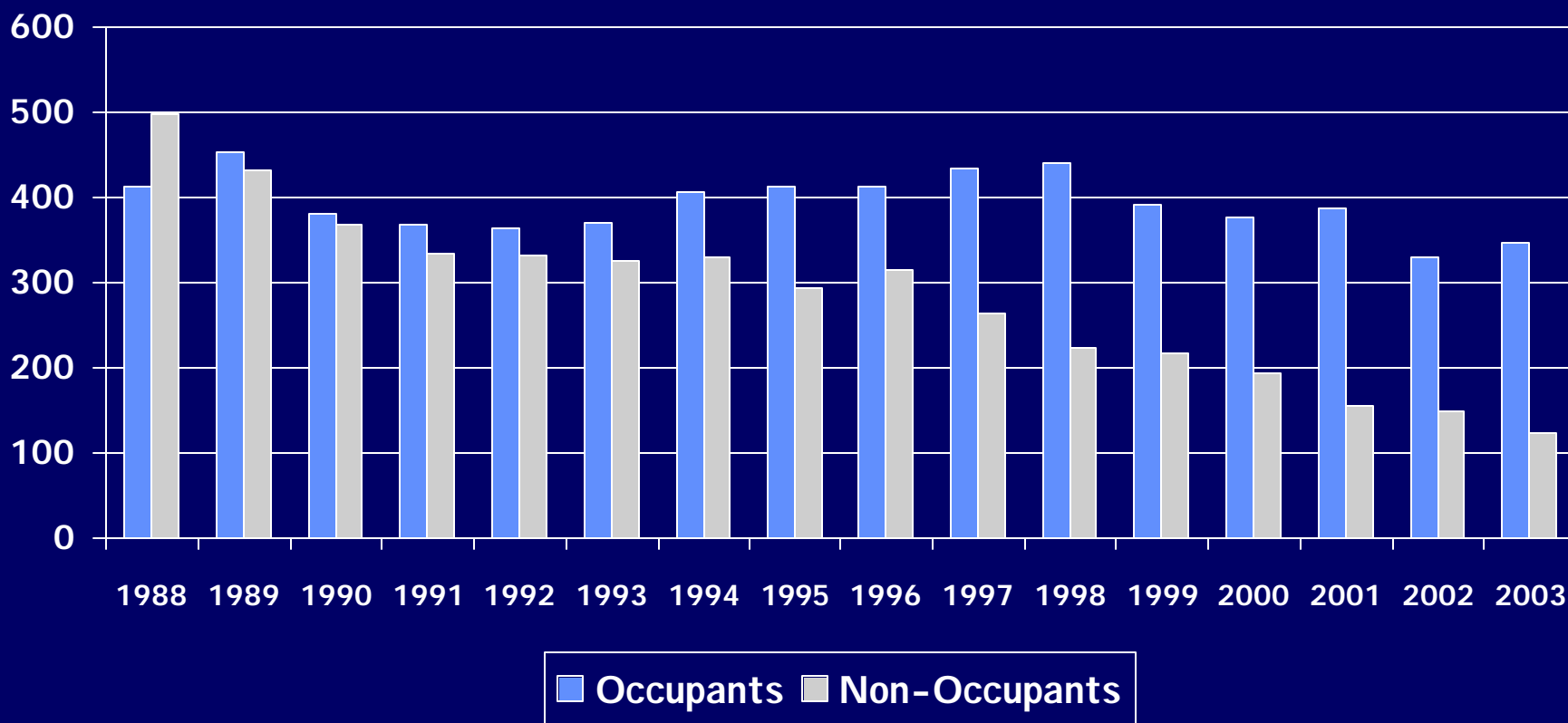
National Center for Statistics & Analysis



Source: FARS

Children Ages 4-7, Killed, by Year and Role

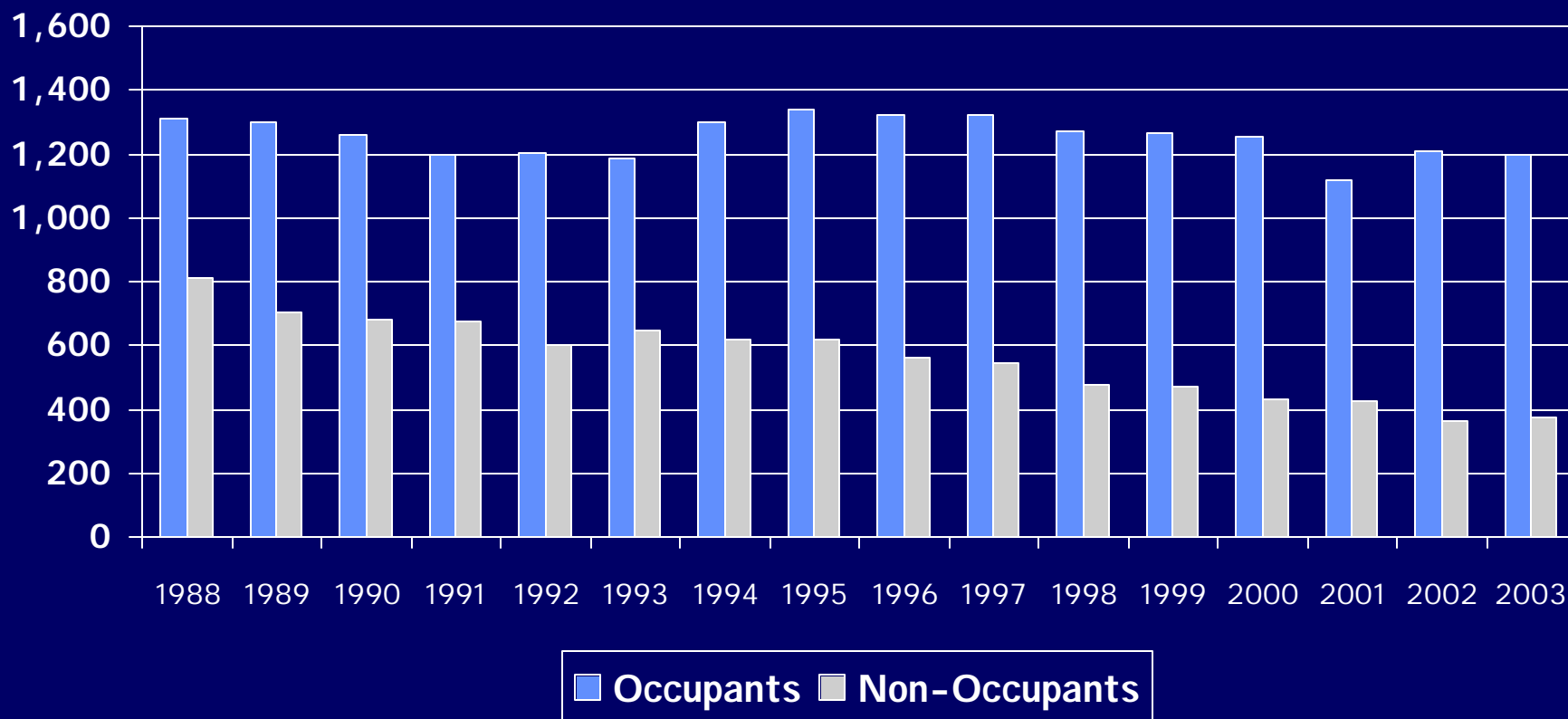
National Center for Statistics & Analysis



Source: FARS

Children and Youth (Ages 8-15) Fatalities, by Year and Role

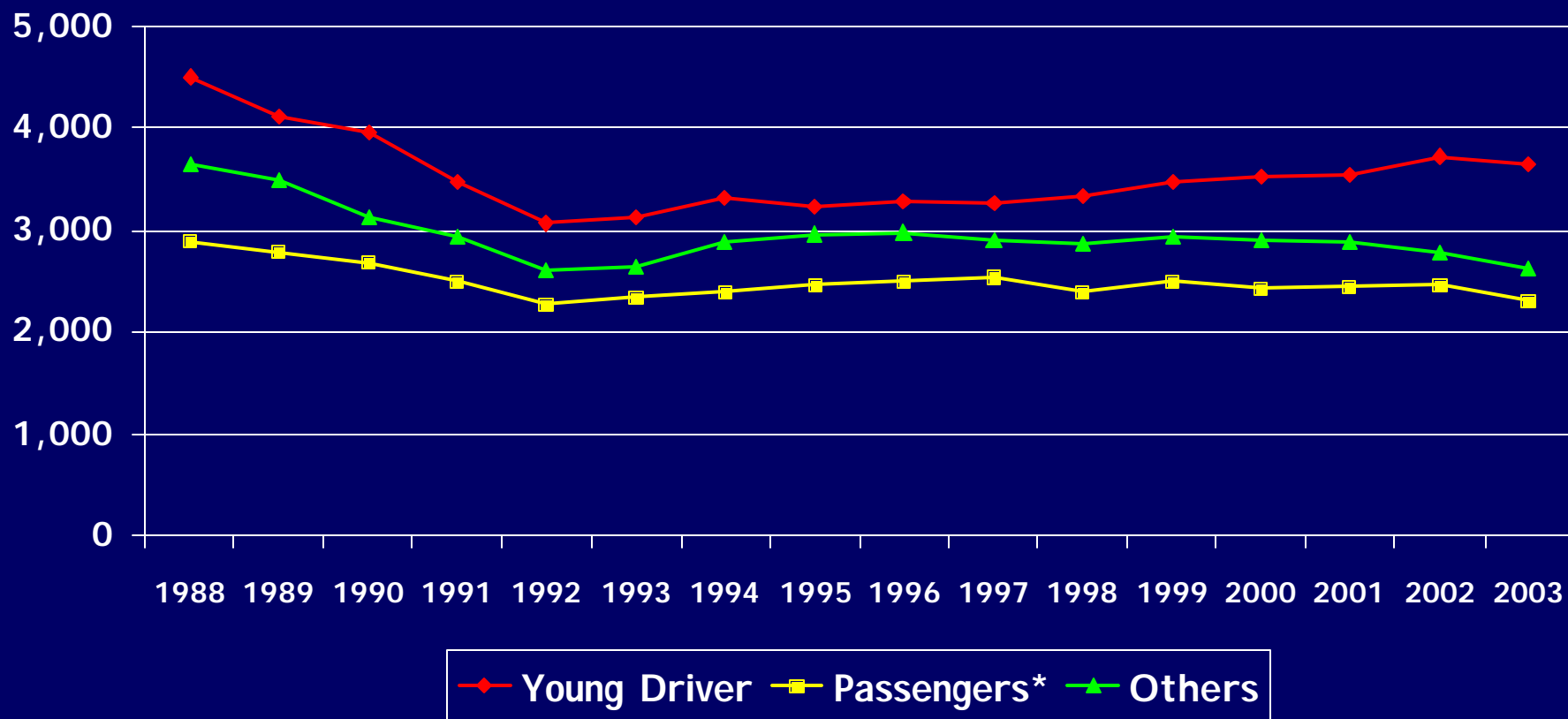
National Center for Statistics & Analysis



Source: FARS

Persons Killed in Crashes Involving Young Drivers (Ages 16-20), by Year and Role

National Center for Statistics & Analysis



*In vehicles with young drivers

Source: FARS

- **Crash Data**
 - ◆ **Fatality Analysis Reporting System (FARS)**
 - 2002 Annual File (Final File in prior years)
 - 2003 Early Assessment File
 - ◆ **NASS General Estimates System (GES)**
 - 2002 (and prior years) Annual File
 - 2003 Three Quarter Year File
- **Exposure Data**
 - ◆ **Vehicle Miles of Travel (VMT)**
 - Federal Highway Administration (FHWA)
 - December 2003 Traffic Volume Trends Report
 - ◆ **Population Estimates (based on 2000 Census)**
 - Census Bureau
 - ◆ **Registered Vehicles**
 - R.L. Polk & Company and FHWA
 - NHTSA's Projection for 2003 is based on FHWA's Registered Vehicles

*Questions about the data in this
report may be sent
by E-Mail to:
ncsaweb@nhtsa.dot.gov
or
made by phone to:
1.800.934.8517*